

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008905.D
 Acq On : 01 Mar 2019 00:55
 Operator : SY/VA
 Sample : VW0228SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Manual Integrations
 APPROVED

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 3/1/2019 2:57:20 PM

Quant Time: Mar 01 07:01:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153561	60.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.42%	
35) Dibromofluoromethane	7.88	113	141180	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
50) Toluene-d8	10.32	98	521302	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.62	95	202440	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	50473	18.533	ug/l	96
3) Chloromethane	2.21	50	67049	20.225	ug/l	98
4) Vinyl Chloride	2.35	62	66968	19.080	ug/l	99
5) Bromomethane	2.76	94	70140	26.904	ug/l	99
6) Chloroethane	2.91	64	48020	19.267	ug/l	94
7) Trichlorofluoromethane	3.25	101	89803	20.230	ug/l	99
8) Diethyl Ether	3.69	74	30589	21.765	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55179	20.469	ug/l	98
10) Methyl Iodide	4.27	142	50054	14.849	ug/l	100
11) Tert butyl alcohol	5.20	59	25412	111.927	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	49073	20.613	ug/l	96
13) Acrolein	3.89	56	16063	81.548	ug/l	97
14) Allyl chloride	4.67	41	84791	20.636	ug/l	97
15) Acrylonitrile	5.37	53	66678	110.549	ug/l	100
16) Acetone	4.14	43	55882	94.535	ug/l	92
17) Carbon Disulfide	4.38	76	144564	18.302	ug/l	100
18) Methyl Acetate	4.68	43	31484	22.455	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	148818	23.094	ug/l	98
20) Methylene Chloride	4.92	84	67348	20.070	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	58245	21.150	ug/l	96
22) Diisopropyl ether	6.31	45	186353	22.735	ug/l	98
23) Vinyl Acetate	6.26	43	567056	111.971	ug/l	98
24) 1,1-Dichloroethane	6.21	63	105306	22.171	ug/l	99
25) 2-Butanone	7.18	43	90440	109.434	ug/l	99
26) 2,2-Dichloropropane	7.17	77	82100	19.039	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66328	22.516	ug/l	95
28) Bromochloromethane	7.51	49	44548	22.413	ug/l	99
29) Tetrahydrofuran	7.53	42	57629	109.423	ug/l	98
30) Chloroform	7.67	83	110518	22.681	ug/l	96
31) Cyclohexane	7.95	56	98327	20.451	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98674	22.268	ug/l	100
36) 1,1-Dichloropropene	8.08	75	85089	21.346	ug/l	99
37) Ethyl Acetate	7.26	43	41523	22.400	ug/l	100
38) Carbon Tetrachloride	8.06	117	86514	20.580	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95889	19.286	ug/l	95
40) Benzene	8.32	78	234502	21.546	ug/l	98
41) Methacrylonitrile	7.48	41	25680	23.568	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	76959	22.322	ug/l	99
43) Isopropyl Acetate	8.42	43	81548	22.042	ug/l	99
44) Trichloroethene	9.09	130	65093	21.231	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59568	22.148	ug/l	97
46) Dibromomethane	9.46	93	33379	22.312	ug/l	99
47) Bromodichloromethane	9.64	83	82077	22.550	ug/l	100
48) Methyl methacrylate	9.44	41	34730	19.601	ug/l	92
49) 1,4-Dioxane	9.46	88	9189	383.564	ug/l #	67
51) 4-Methyl-2-Pentanone	10.21	43	200369	106.678	ug/l	99
52) Toluene	10.38	92	154262	20.885	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76872	20.721	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92409	21.840	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47330	23.329	ug/l	95
56) Ethyl methacrylate	10.65	69	55198	20.941	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80908	22.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	154000	116.167	ug/l	99
59) 2-Hexanone	10.97	43	131938	98.680	ug/l	99
60) Dibromochloromethane	11.13	129	55090	22.262	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44366	22.092	ug/l	100
64) Tetrachloroethene	10.86	164	63590	22.499	ug/l	99
65) Chlorobenzene	11.66	112	172888	20.824	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	59929	21.348	ug/l	98
67) Ethyl Benzene	11.73	91	304054	20.486	ug/l	100
68) m/p-Xylenes	11.84	106	242901	40.961	ug/l	99
69) o-Xylene	12.16	106	114077	20.495	ug/l	100
70) Styrene	12.18	104	184567	20.611	ug/l	99
71) Bromoform	12.35	173	31712	21.016	ug/l	100
73) Isopropylbenzene	12.46	105	305625	20.650	ug/l	99
74) N-amyl acetate	12.27	43	71965	19.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	51978	21.493	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37324m	20.939	ug/l	
77) Bromobenzene	12.75	156	75049	21.458	ug/l	97
78) n-propylbenzene	12.80	91	368649	20.362	ug/l	99
79) 2-Chlorotoluene	12.90	91	213585	20.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	258812	20.122	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13767	18.776	ug/l	98
82) 4-Chlorotoluene	12.99	91	224531	20.729	ug/l	100
83) tert-Butylbenzene	13.21	119	230870	20.759	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	261407	19.634	ug/l	99
85) sec-Butylbenzene	13.38	105	324474	20.291	ug/l	100
86) p-Isopropyltoluene	13.50	119	285515	19.476	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	148454	20.458	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	149329	20.880	ug/l	98
89) n-Butylbenzene	13.83	91	257556	18.753	ug/l	99
90) Hexachloroethane	14.10	117	49075	20.449	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	133606	20.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9109	20.822	ug/l	98

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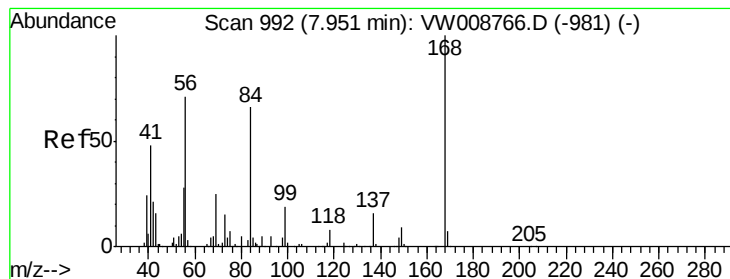
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	90182	19.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	54321	19.796	ug/l	98
95) Naphthalene	15.37	128	150602	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	76717	19.046	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion:168 Resp: 271908

Ion Ratio Lower Upper

168 100

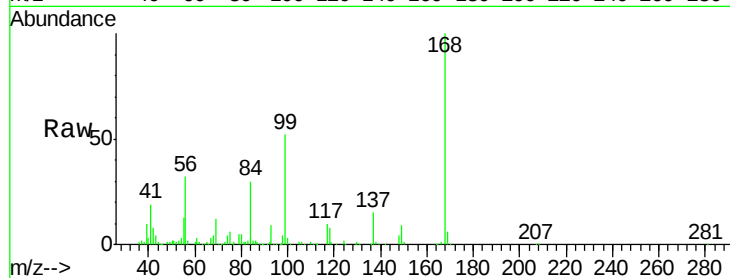
99 52.3 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

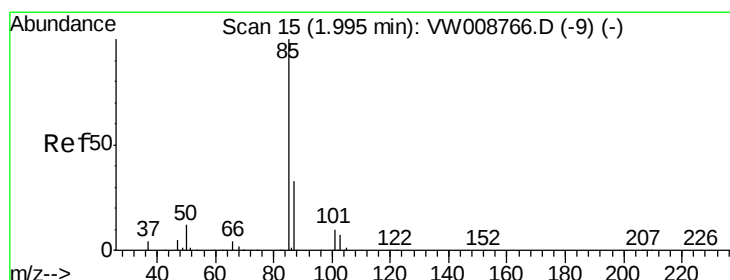
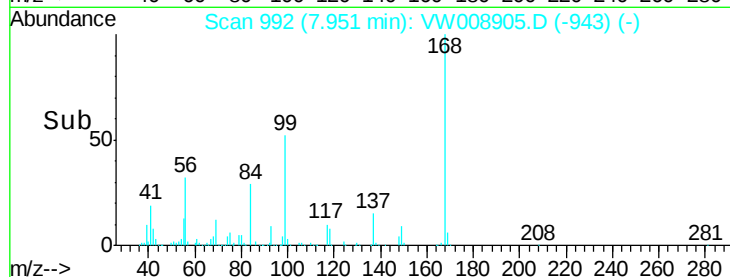
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.533 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008905.D

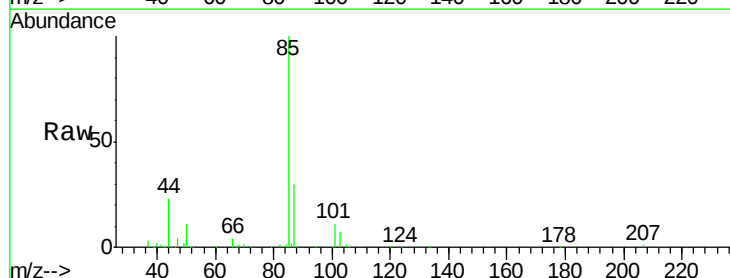
Acq: 01 Mar 2019 00:55

Tgt Ion: 85 Resp: 50473

Ion Ratio Lower Upper

85 100

87 30.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

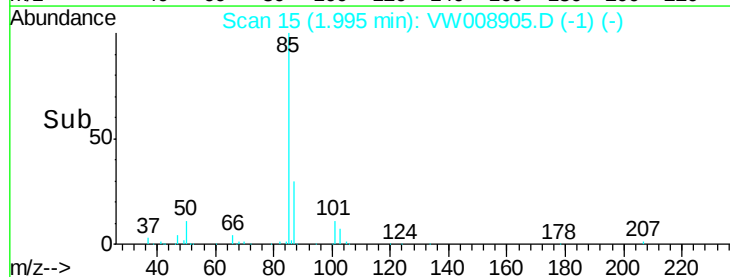
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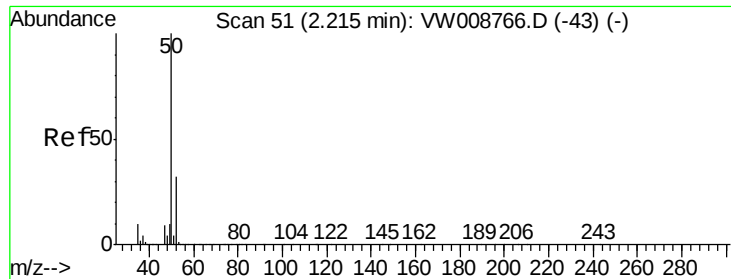
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.225 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 50 Resp: 67049

Ion Ratio Lower Upper

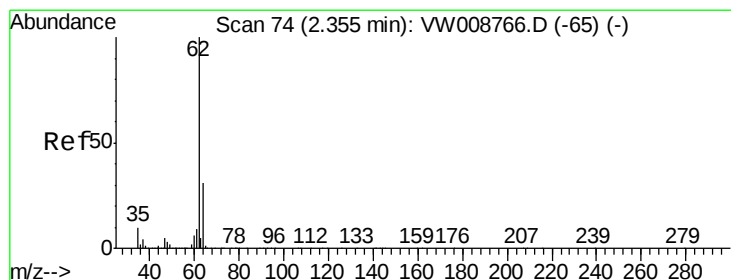
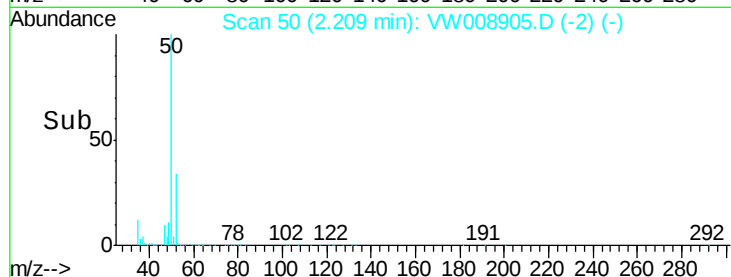
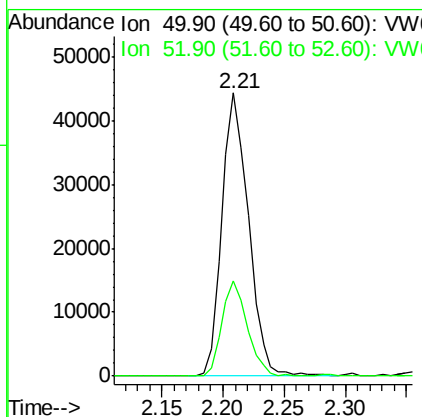
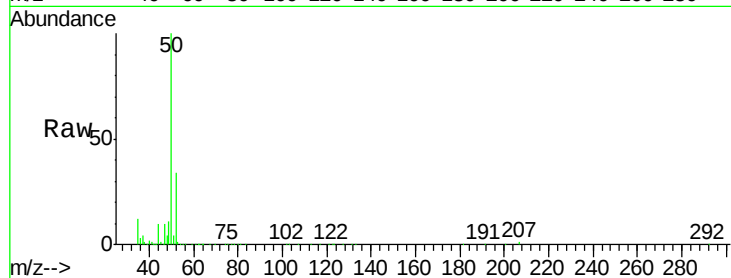
50 100

52 33.7 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.080 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008905.D

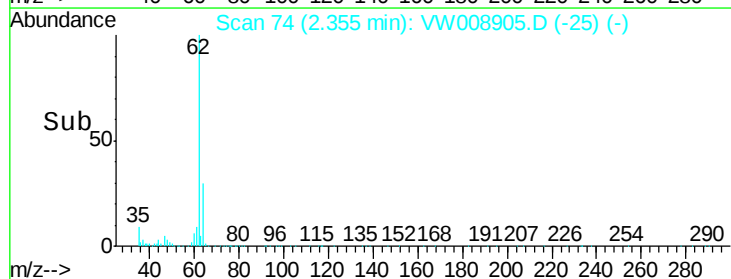
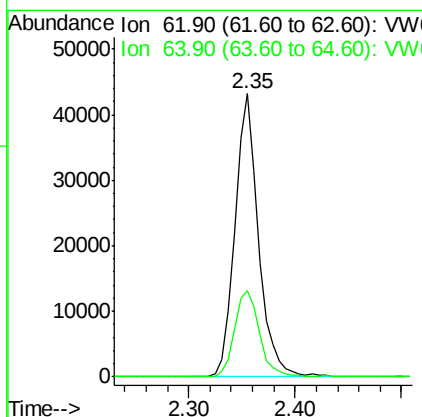
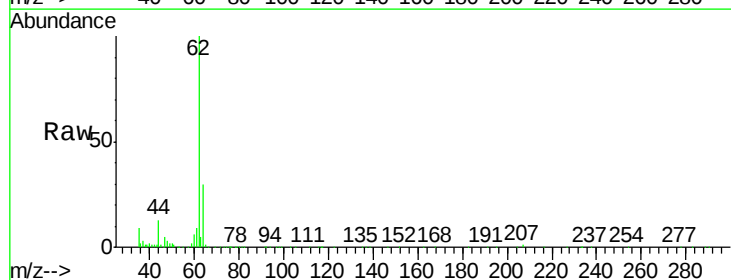
Acq: 01 Mar 2019 00:55

Tgt Ion: 62 Resp: 66968

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 26.904 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 94 Resp: 70140

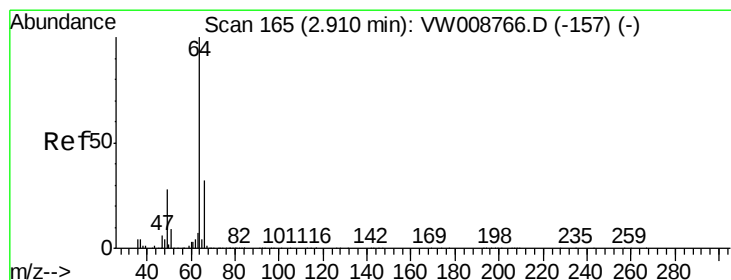
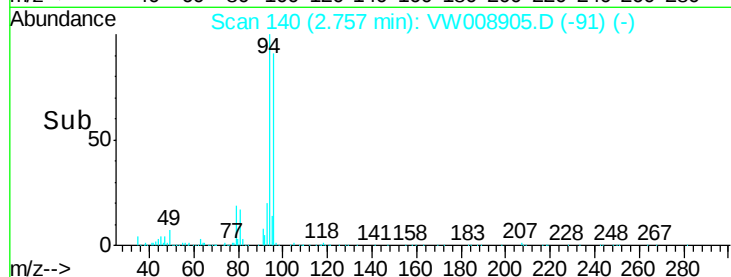
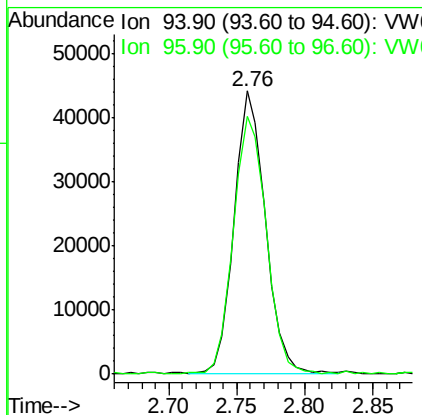
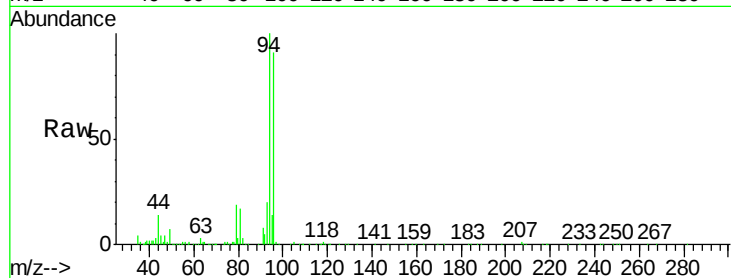
Ion Ratio Lower Upper

94 100

96 90.8 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 19.267 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008905.D

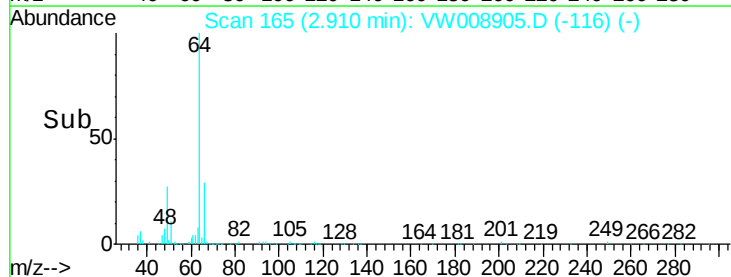
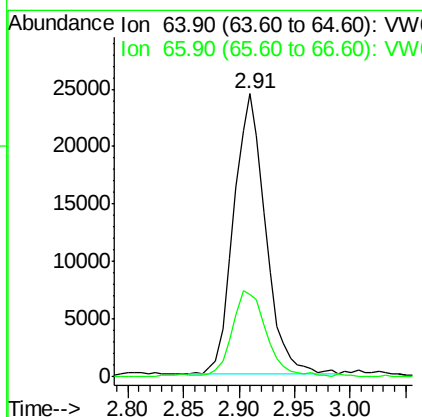
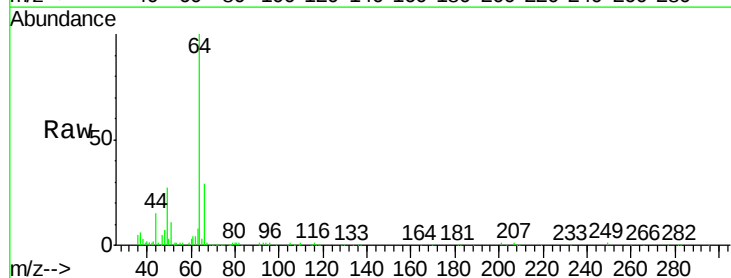
Acq: 01 Mar 2019 00:55

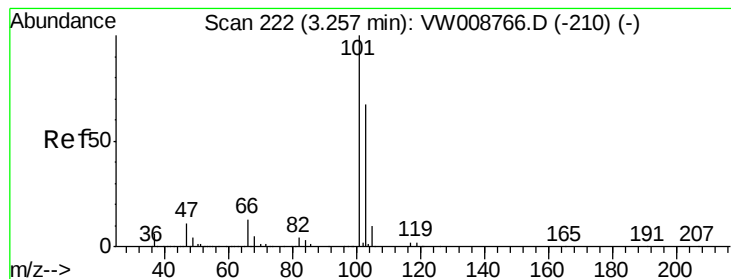
Tgt Ion: 64 Resp: 48020

Ion Ratio Lower Upper

64 100

66 28.6 25.5 38.3





#7

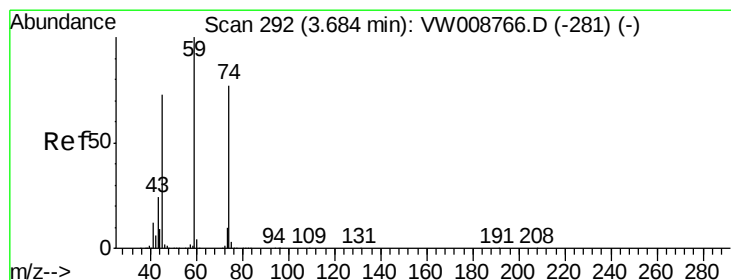
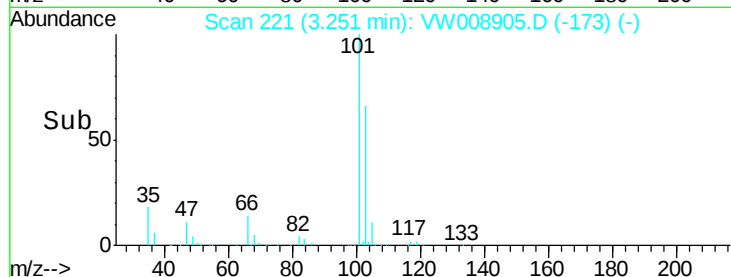
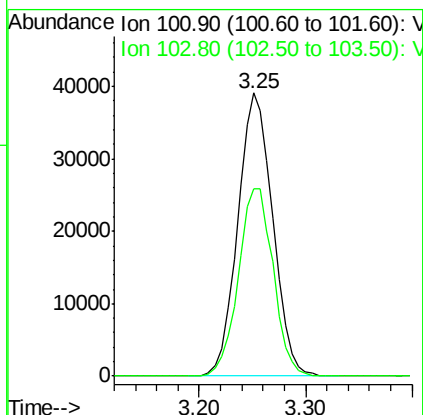
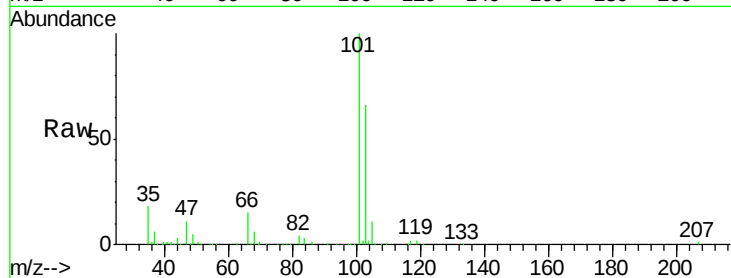
Trichlorofluoromethane
Concen: 20.230 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

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VW0228SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.9	80.9

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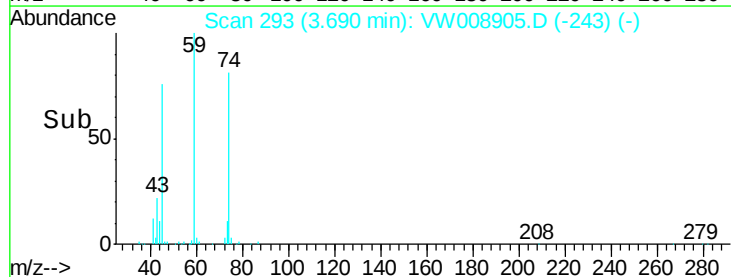
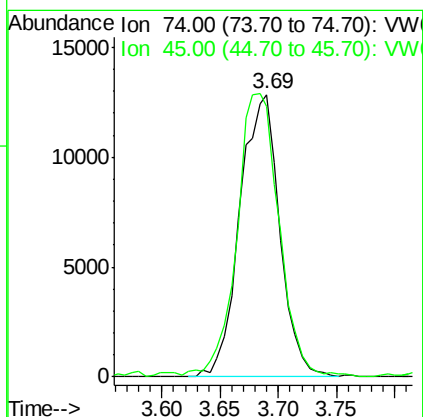
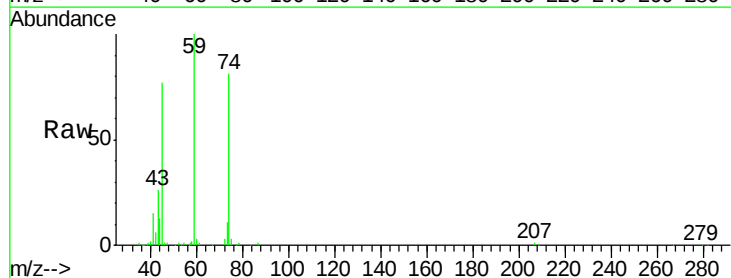
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3/1/2019 2:57:20 PM



#8

Diethyl Ether
Concen: 21.765 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.469 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

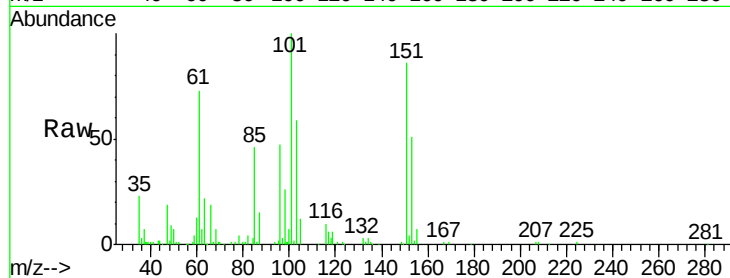
ClientSampleId :

VW0228SBS02

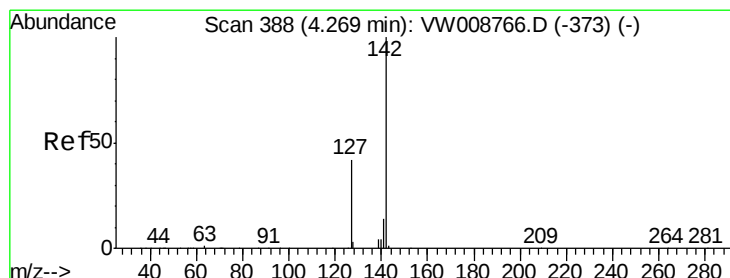
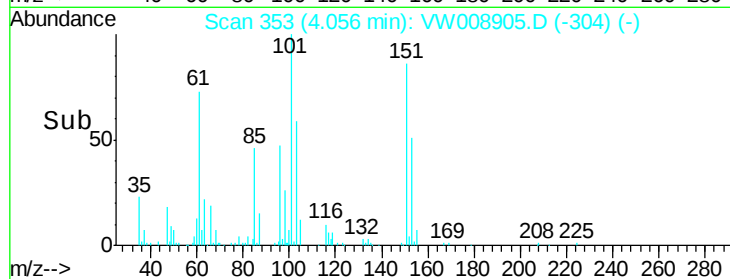
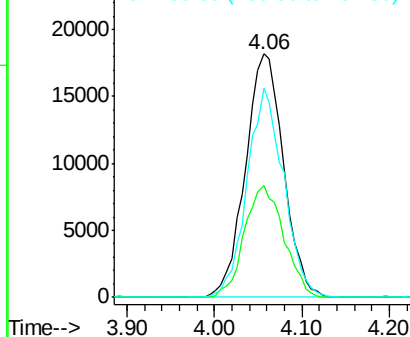
Tot Ion:	101	Resp:	55179
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.0	54.0
151	82.5	65.5	98.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.849 ug/l

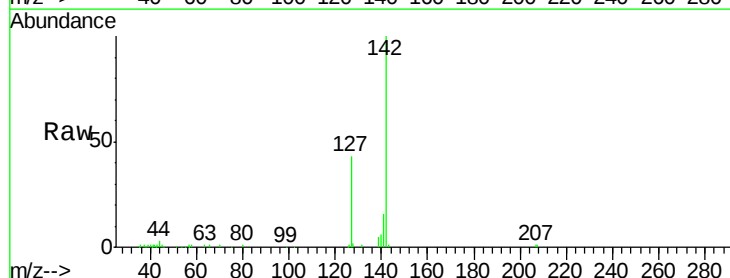
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

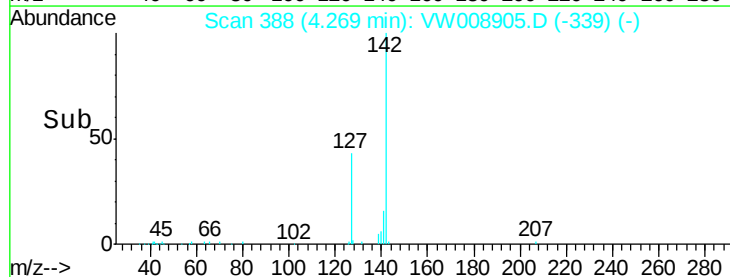
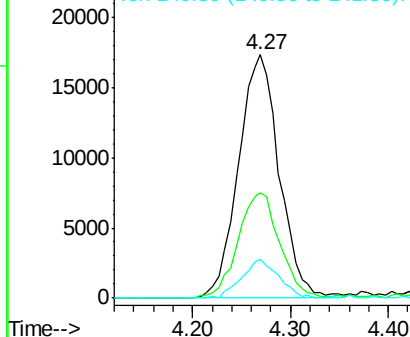
Lab File: VW008905.D

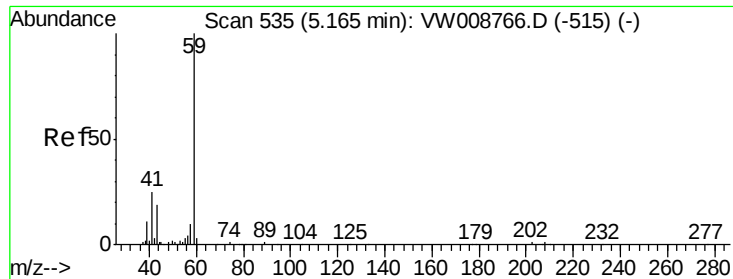
Acq: 01 Mar 2019 00:55

Tgt Ion:	142	Resp:	50054
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.5	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

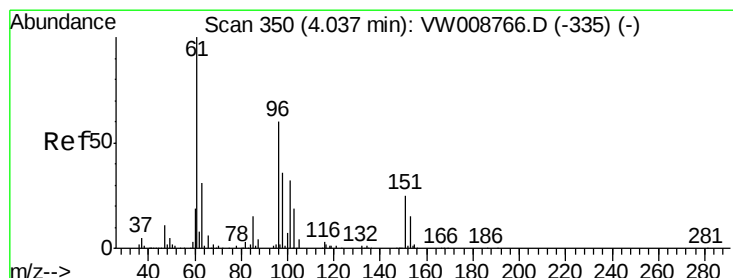
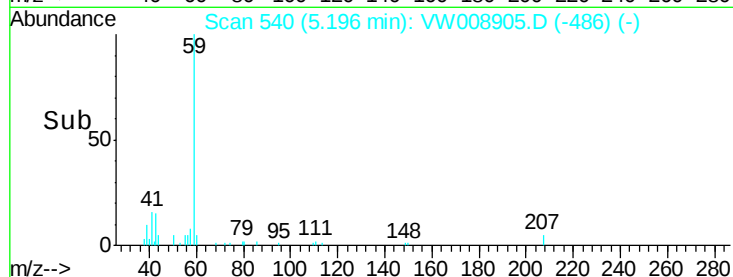
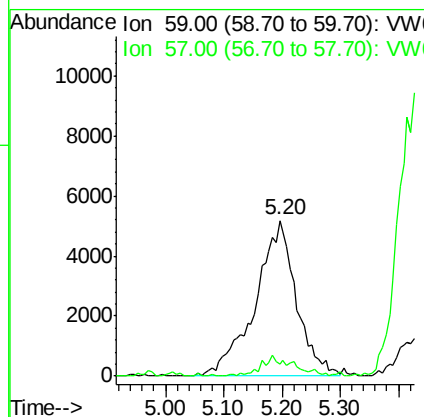
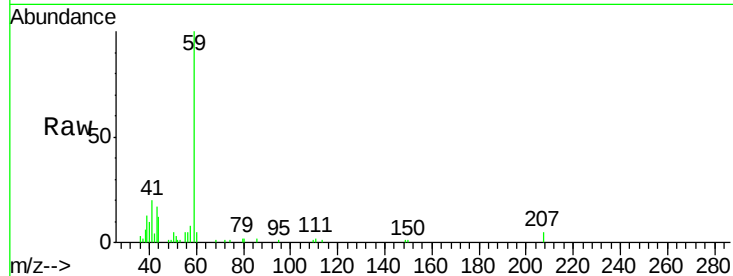
Tert butyl alcohol
Concen: 111.927 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	5.5	9.3	13.9#

Manual Integrations
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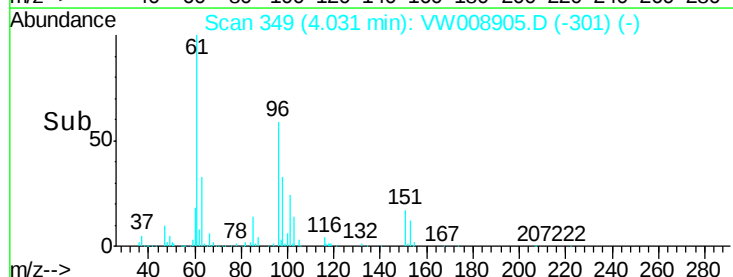
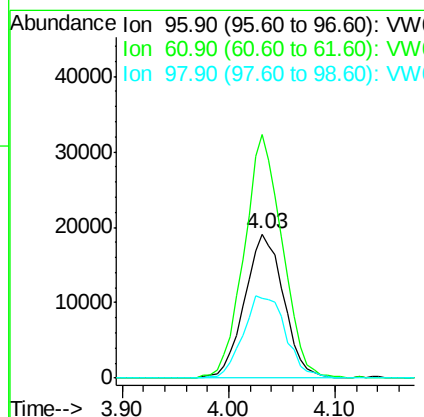
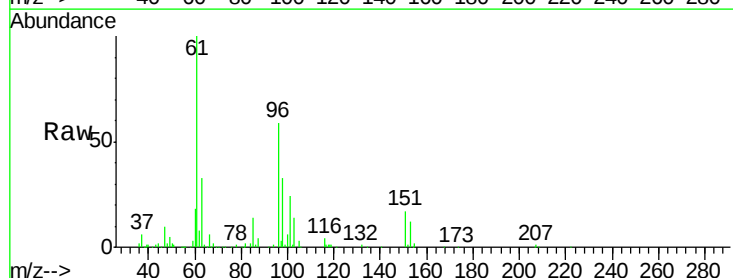
MMDadoda
3/1/2019 2:57:20 PM

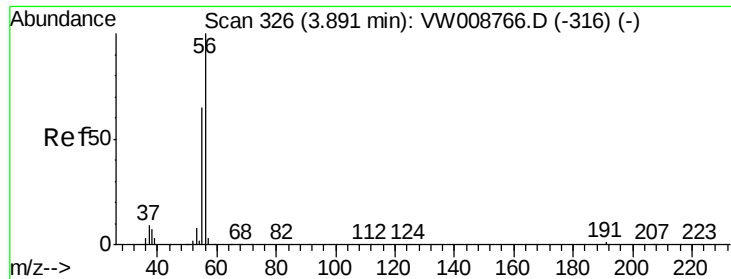


#12

1,1-Dichloroethene
Concen: 20.613 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	169.4	132.5	198.7
98	98	55.9	48.2	72.4





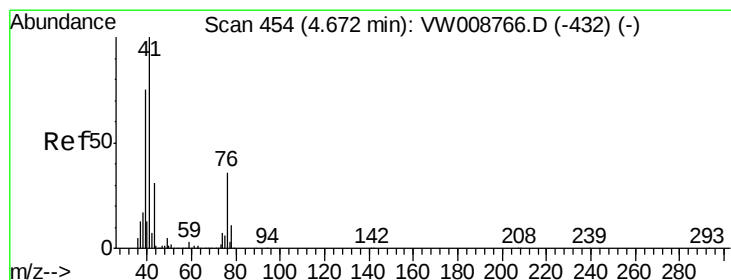
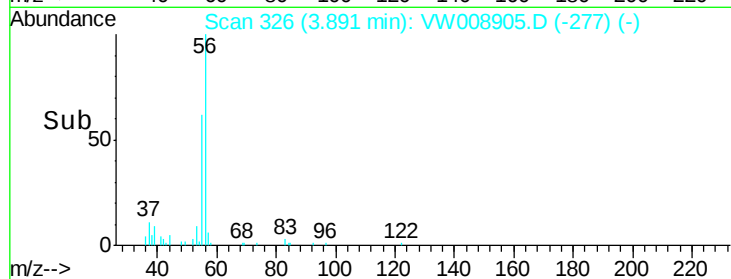
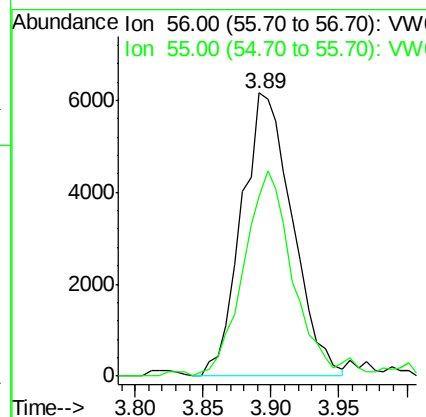
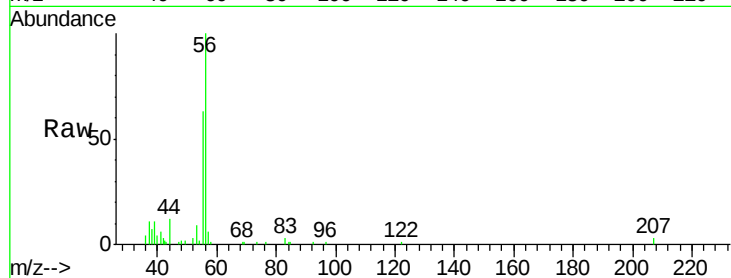
#13
Acrolein
Concen: 81.548 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	56	55	Ratio	Lower	Upper
16063	100	68.6		56.9	85.3

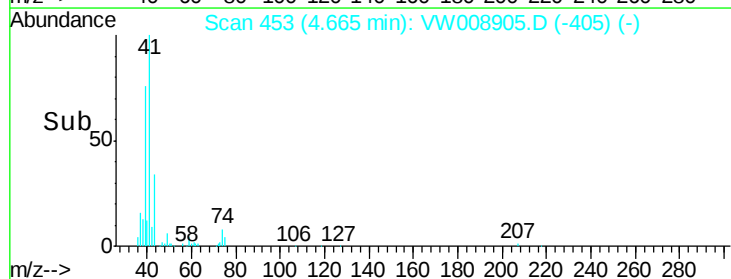
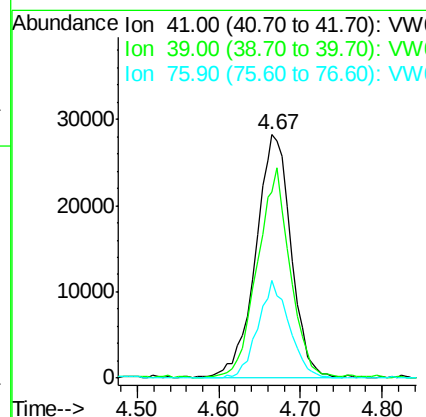
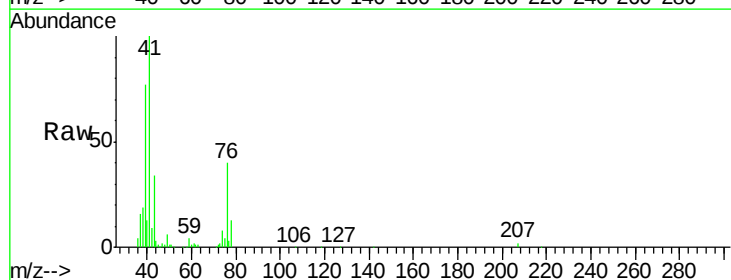
Manual Integrations
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3/1/2019 2:57:20 PM



#14
Allyl chloride
Concen: 20.636 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	41	39	76	Ratio	Lower	Upper
84791	100	79.6	35.6		60.6	91.0
					28.6	42.8





#15

Acrylonitrile

Concen: 110.549 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

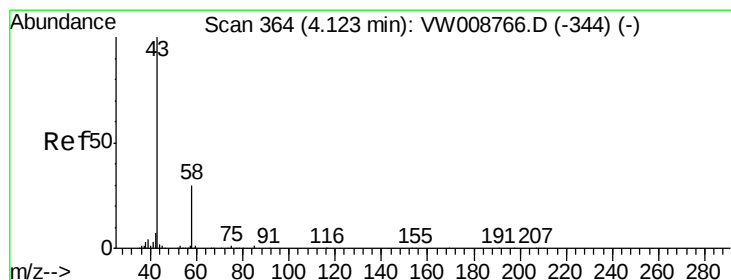
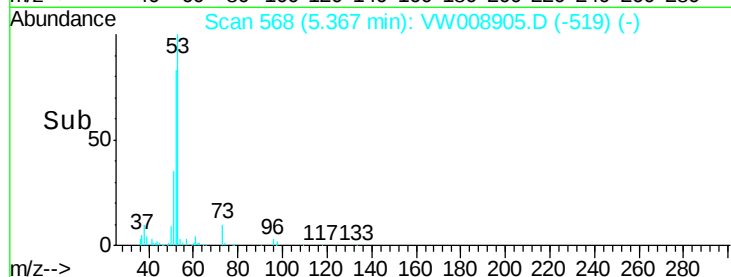
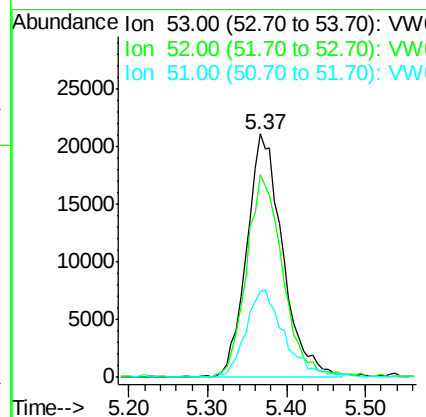
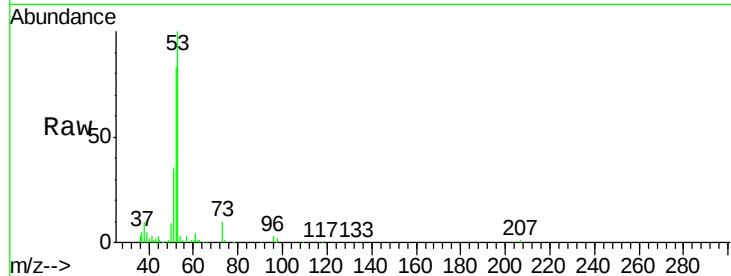
ClientSampleId :

VW0228SBS02

Tot Ion:	53	Resp:	66678
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.2	100.8
51	38.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 94.535 ug/l

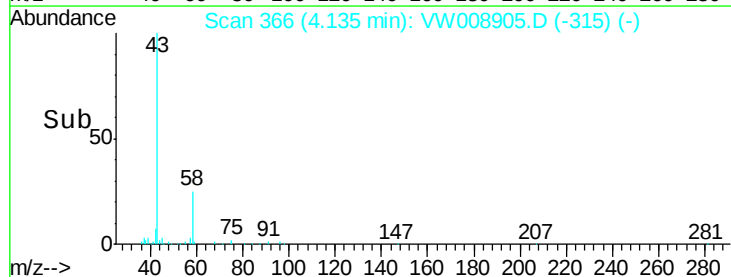
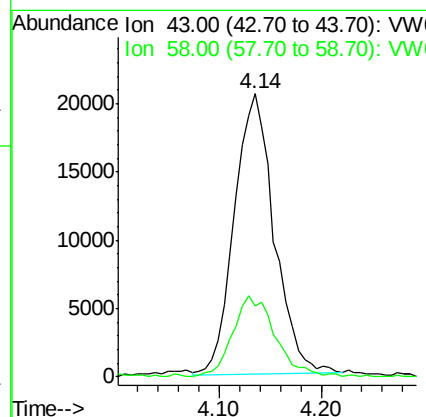
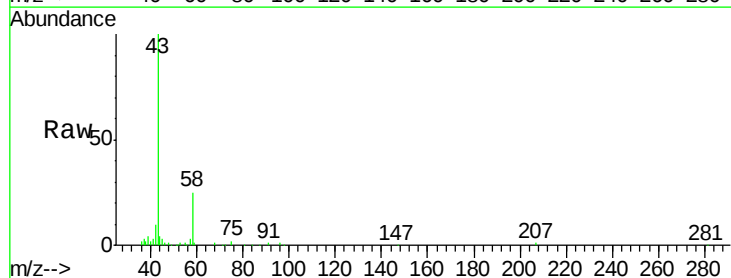
RT: 4.14 min Scan# 366

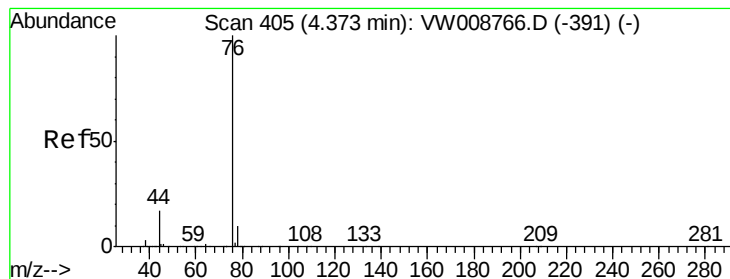
Delta R.T. 0.01 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	43	Resp:	55882
Ion	Ratio	Lower	Upper
43	100		
58	25.5	23.8	35.6





#17

Carbon Disulfide

Concen: 18.302 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 76 Resp: 144564

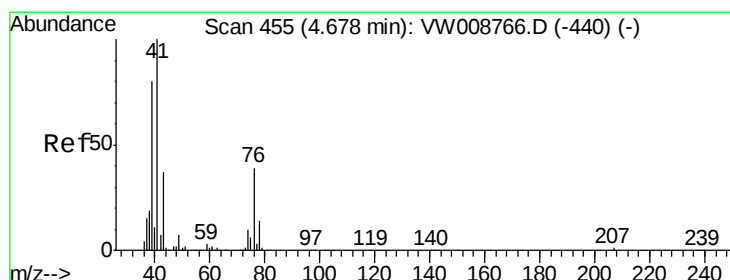
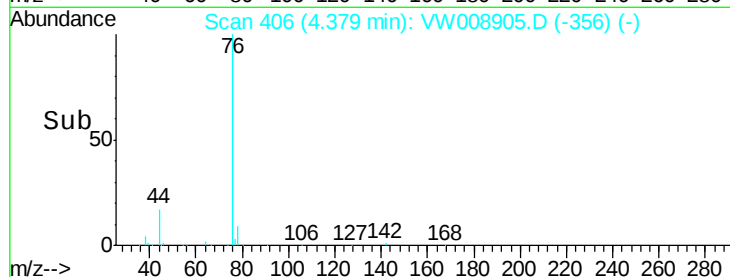
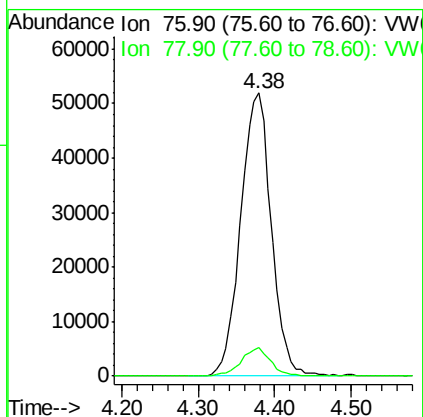
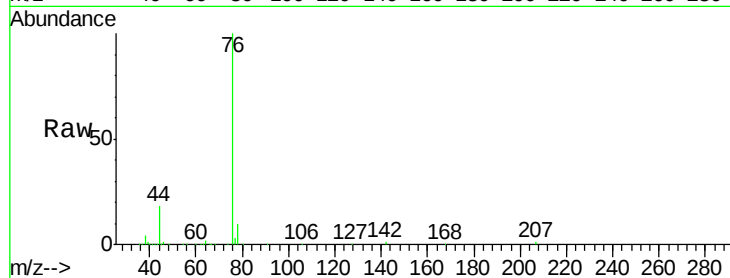
Ion Ratio Lower Upper

76 100

78 10.0 7.8 11.8

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#18

Methyl Acetate

Concen: 22.455 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008905.D

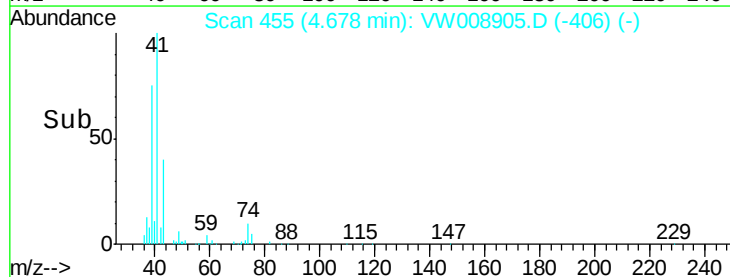
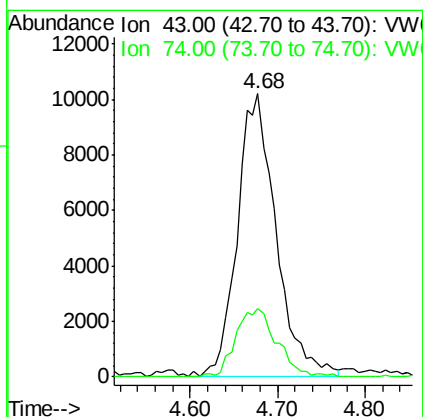
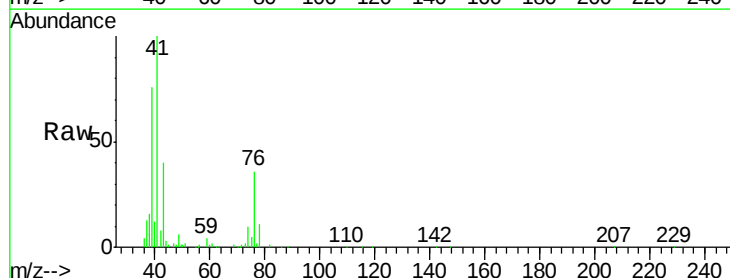
Acq: 01 Mar 2019 00:55

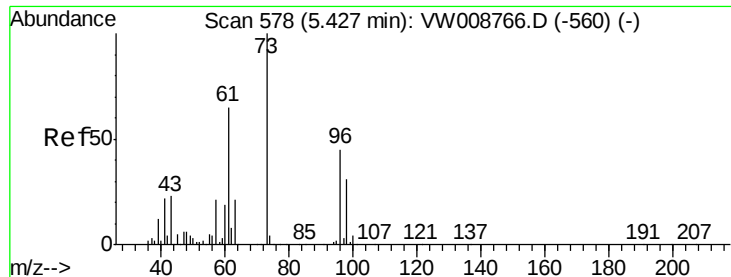
Tgt Ion: 43 Resp: 31484

Ion Ratio Lower Upper

43 100

74 25.0 19.4 29.2





#19

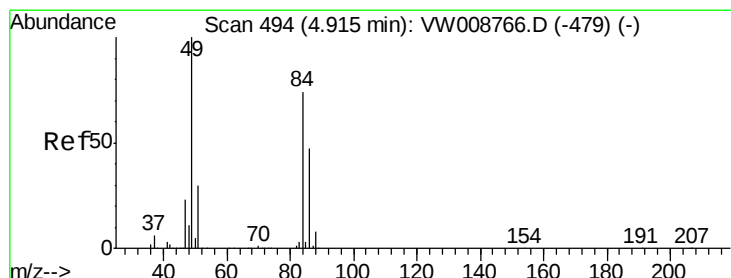
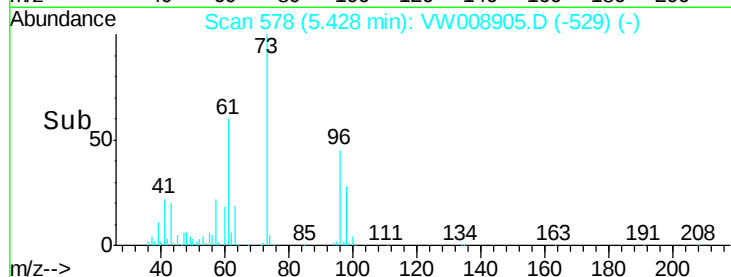
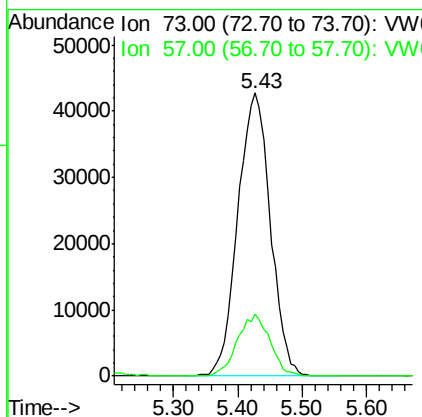
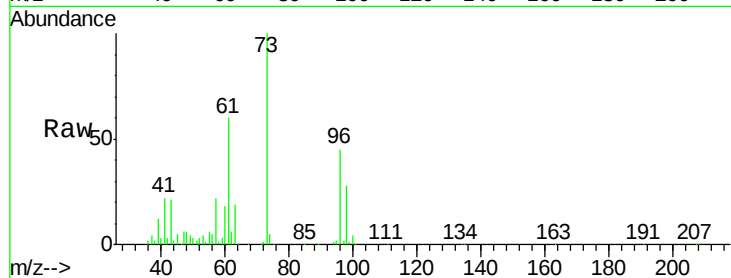
Methyl tert-butyl Ether
 Concen: 23.094 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.8	25.2

Manual Integrations
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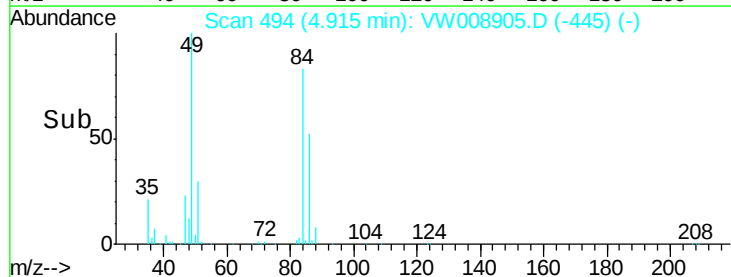
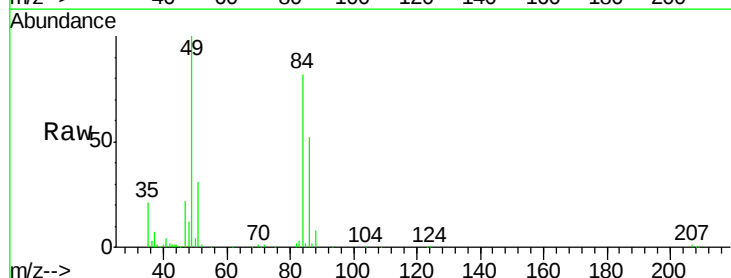
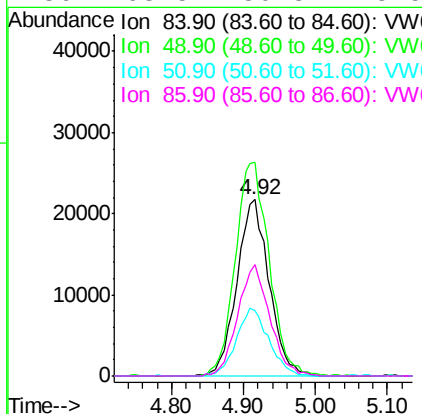
MMDadoda
 3/1/2019 2:57:20 PM

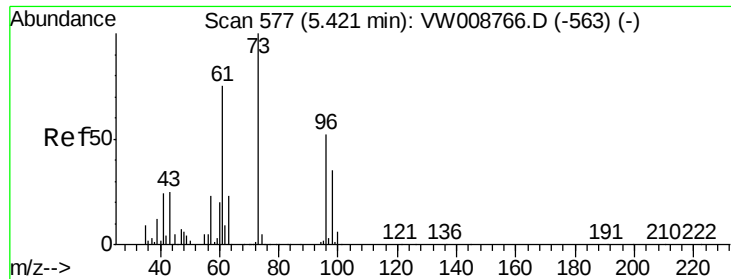


#20

Methylene Chloride
 Concen: 20.070 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	108.2	162.2
51	37.0	32.7	49.1
86	63.5	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 21.150 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

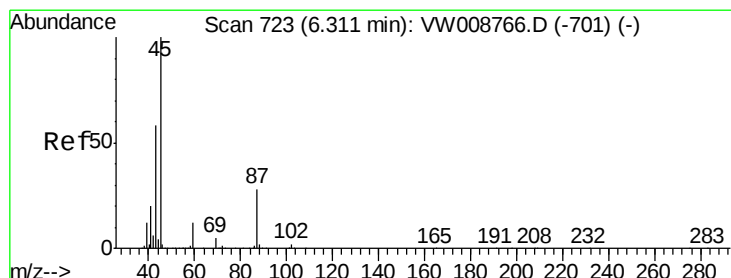
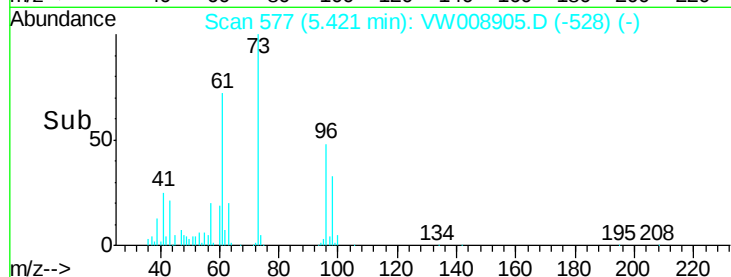
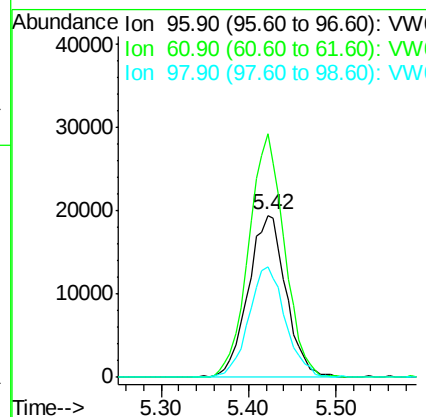
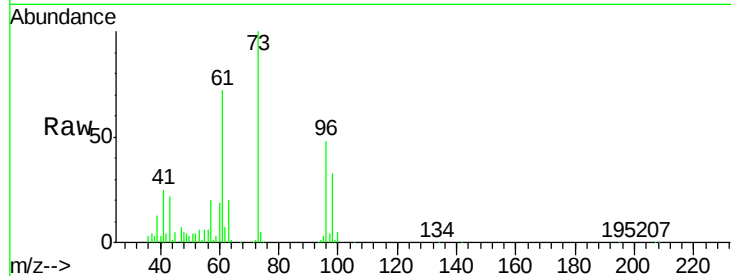
ClientSampleId :

VW0228SBS02

Tot Ion:	96	Resp:	58245
Ion Ratio	Lower	Upper	
96	100		
61	150.0	114.6	171.8
98	68.5	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.735 ug/l

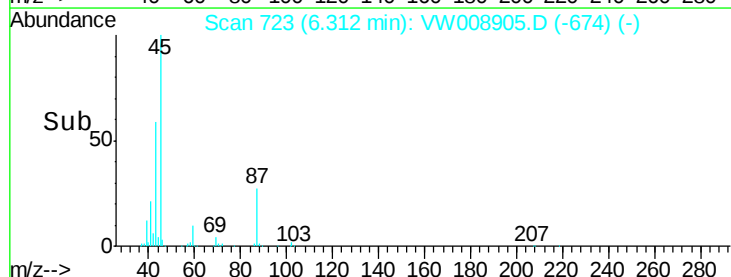
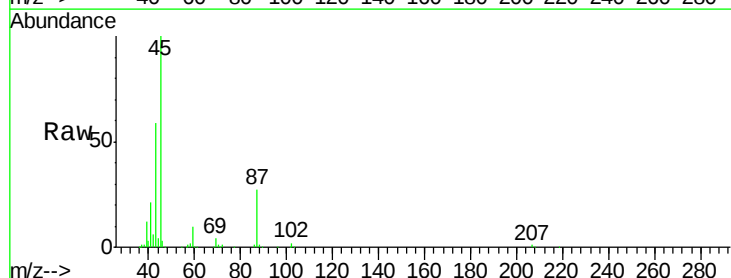
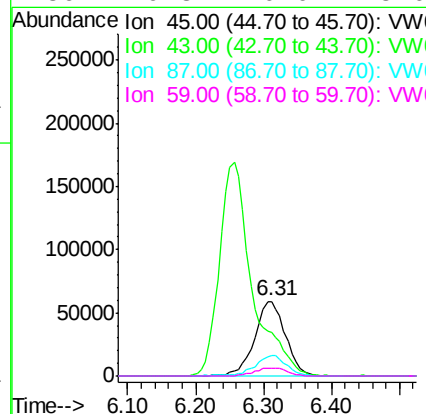
RT: 6.31 min Scan# 723

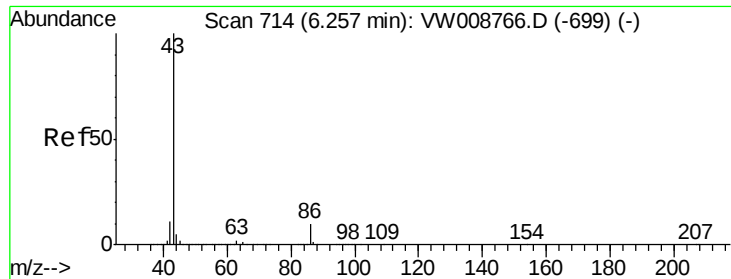
Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	45	Resp:	186353
Ion Ratio	Lower	Upper	
45	100		
43	58.5	46.1	69.1
87	27.0	22.2	33.4
59	10.3	10.0	15.0





#23

Vinyl Acetate

Concen: 111.971 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 43 Resp: 567056

Ion Ratio Lower Upper

43 100

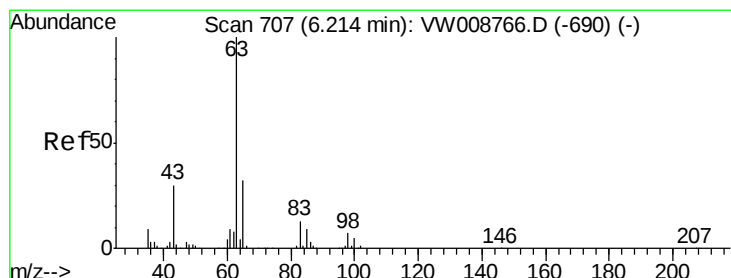
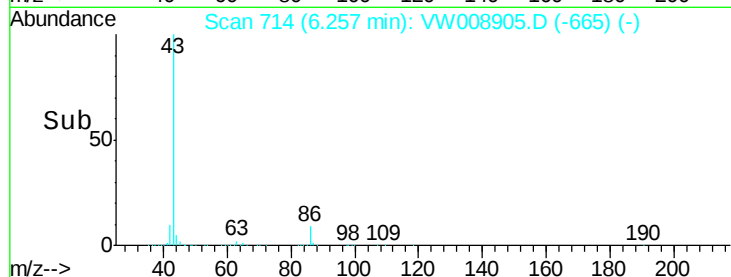
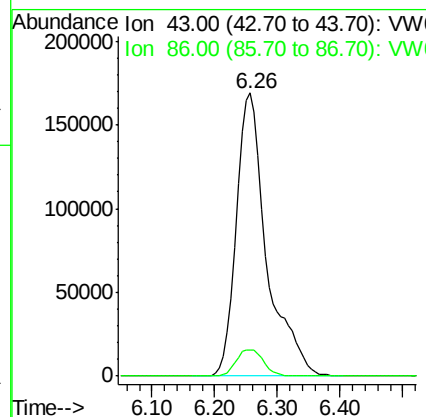
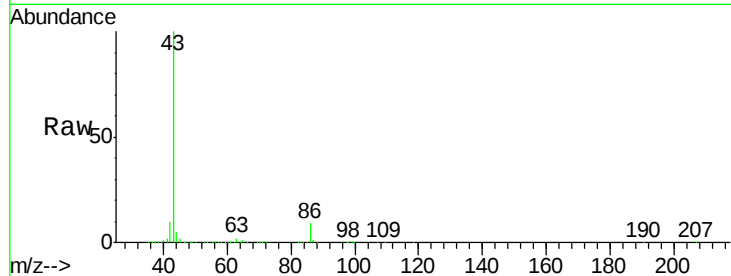
86 9.4 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.171 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

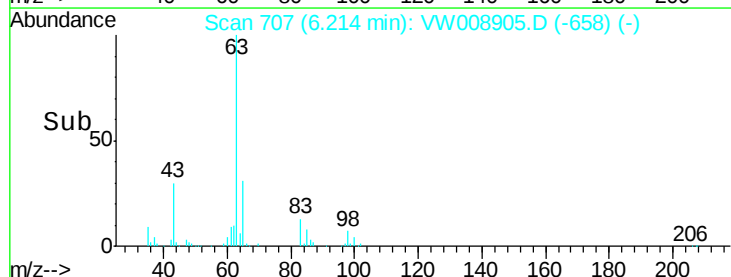
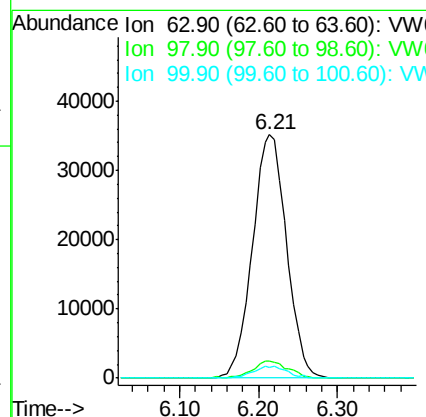
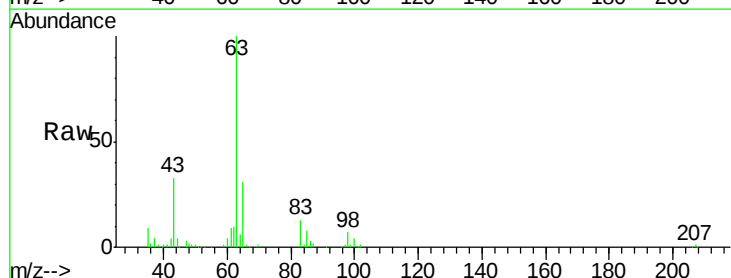
Tgt Ion: 63 Resp: 105306

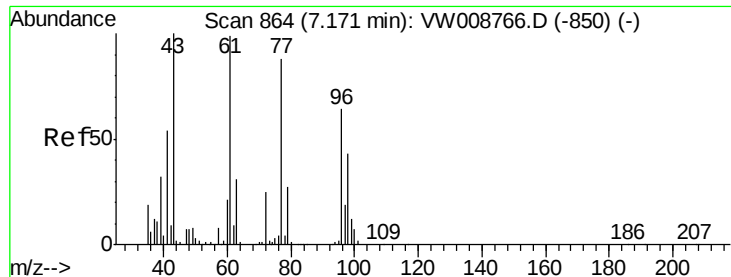
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 109.434 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 43 Resp: 90440

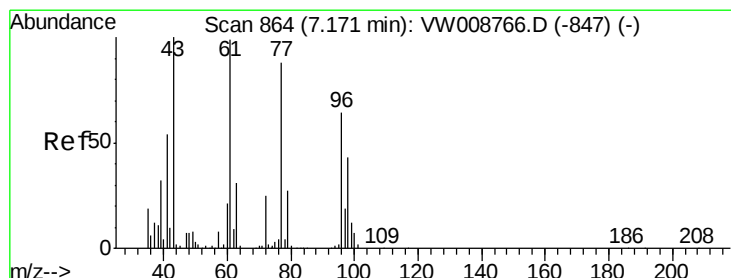
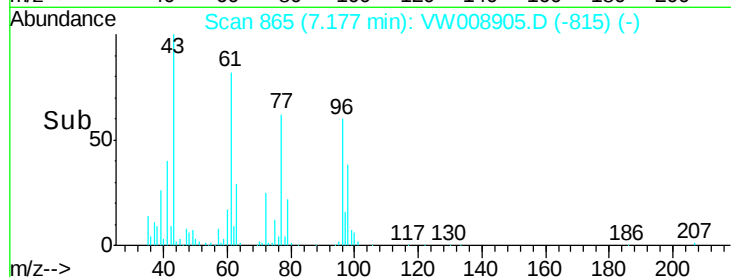
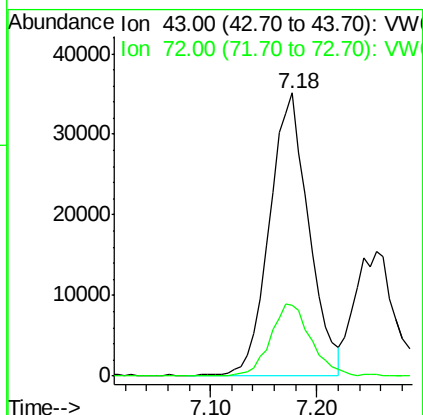
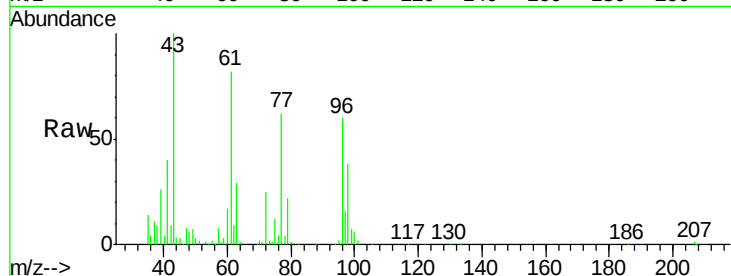
Ion Ratio Lower Upper

43 100

72 24.9 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.039 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008905.D

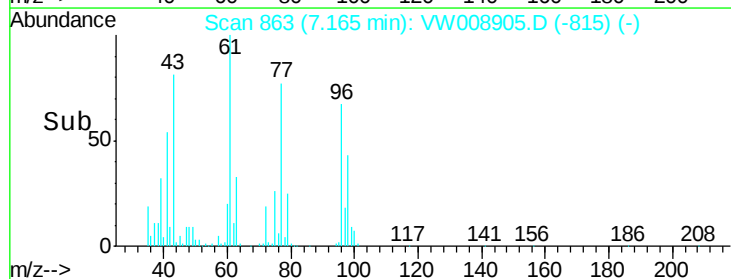
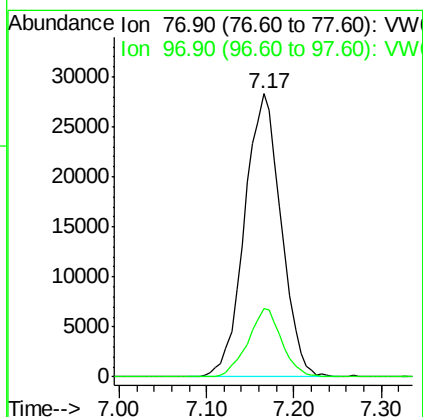
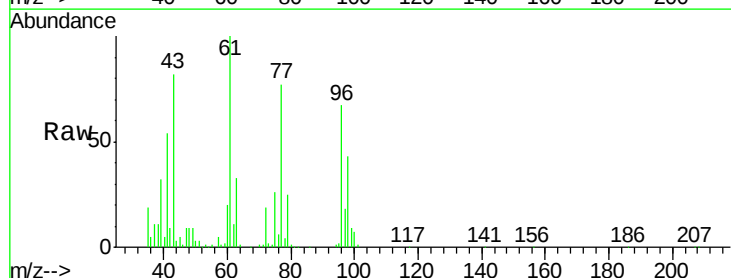
Acq: 01 Mar 2019 00:55

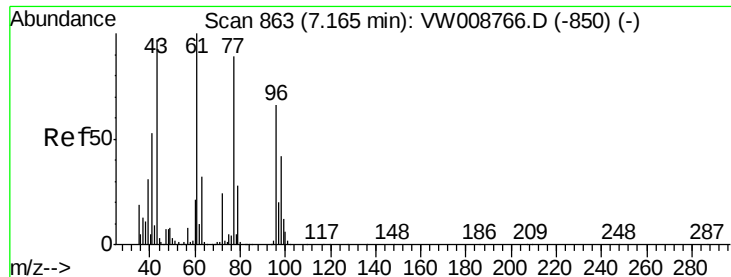
Tgt Ion: 77 Resp: 82100

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

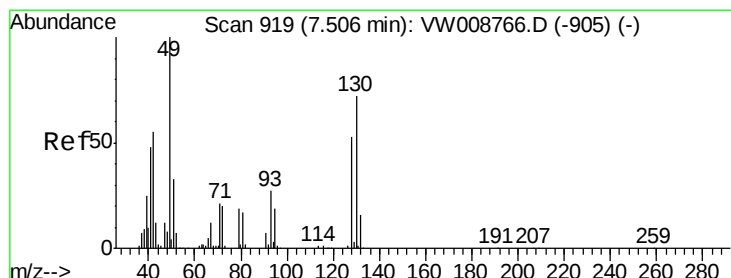
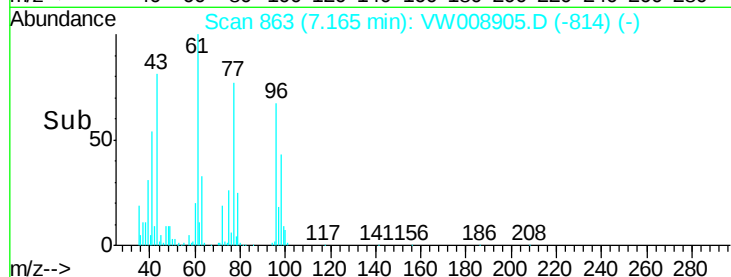
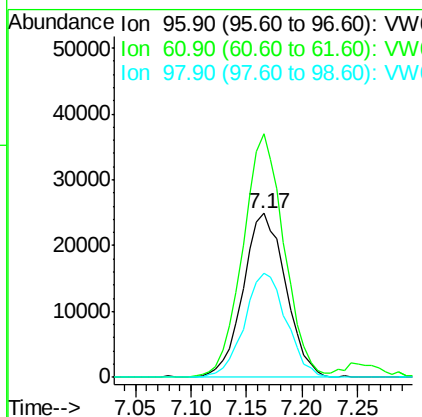
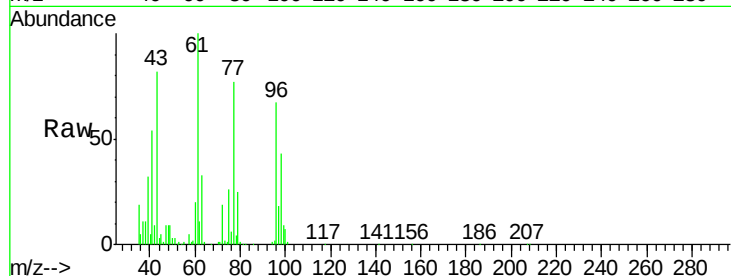
cis-1,2-Dichloroethene
Concen: 22.516 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	302.6
98	62.7	0.0	130.0

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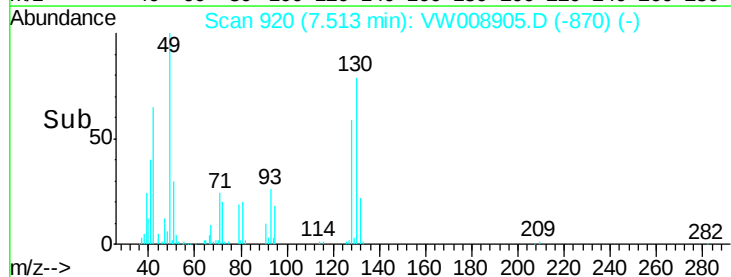
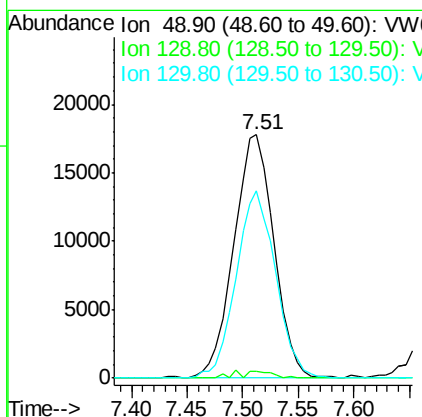
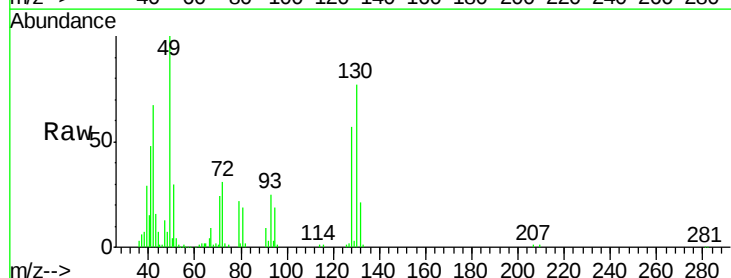
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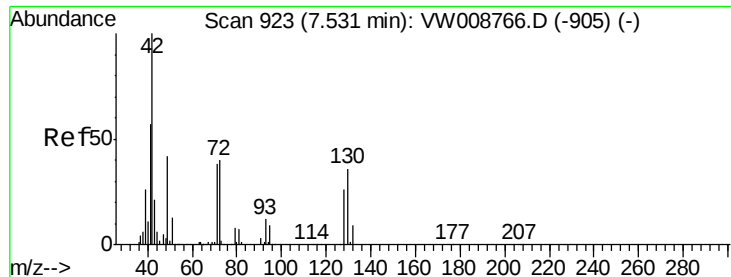


#28

Bromochloromethane
Concen: 22.413 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.6
130	75.9	61.3	91.9





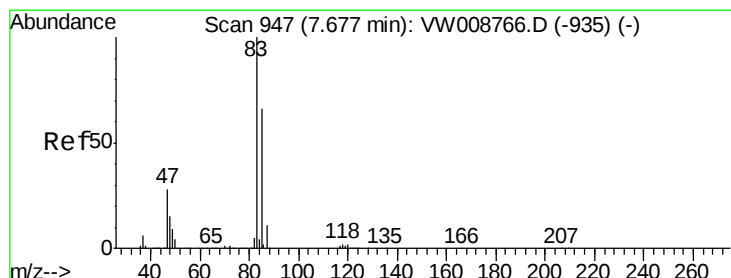
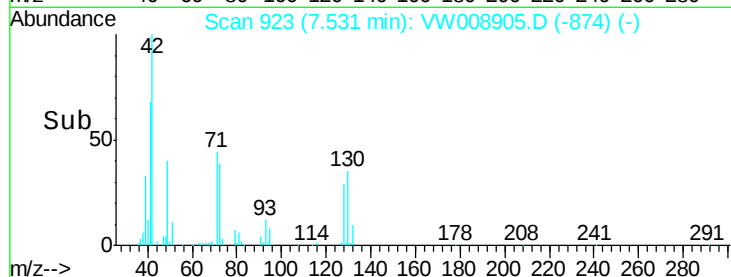
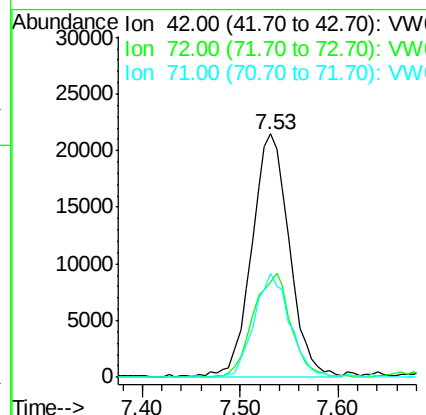
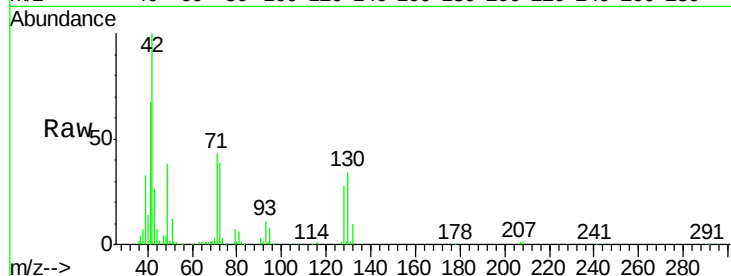
#29
Tetrahydrofuran
Concen: 109.423 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.7	49.1
71	40.6	31.3	46.9

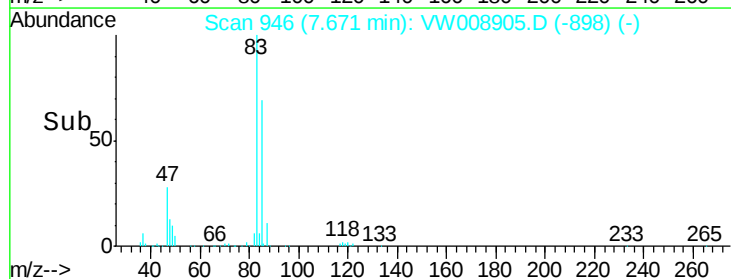
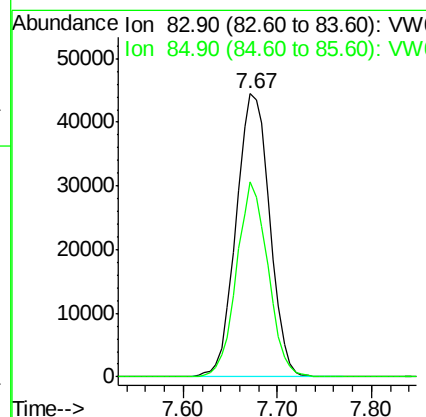
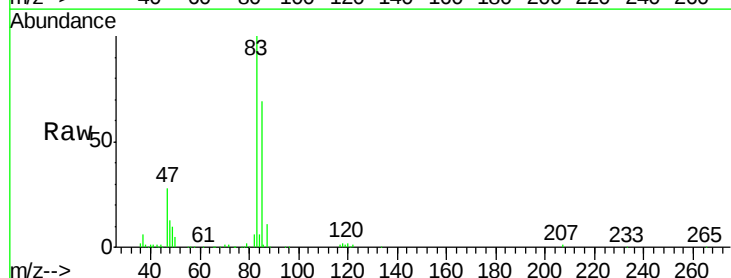
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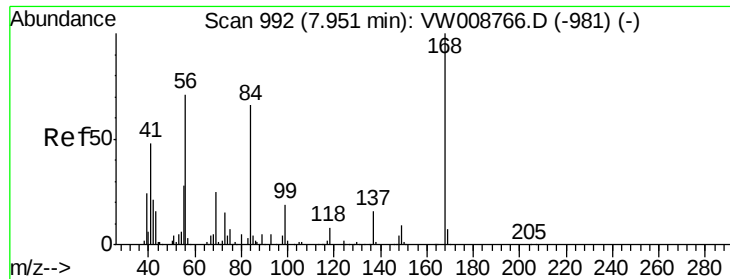
MMDadoda
3/1/2019 2:57:20 PM



#30
Chloroform
Concen: 22.681 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	52.6	79.0





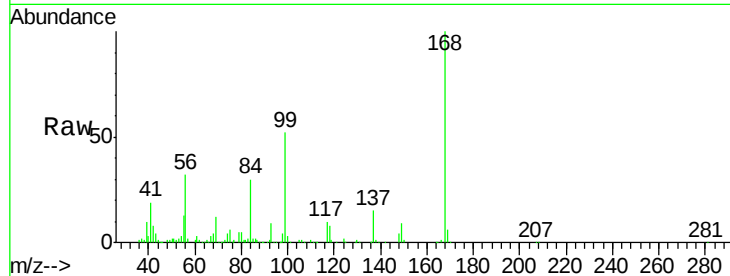
#31
Cyclohexane
Concen: 20.451 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.9	28.2	42.4	
84	90.7	74.1	111.1	

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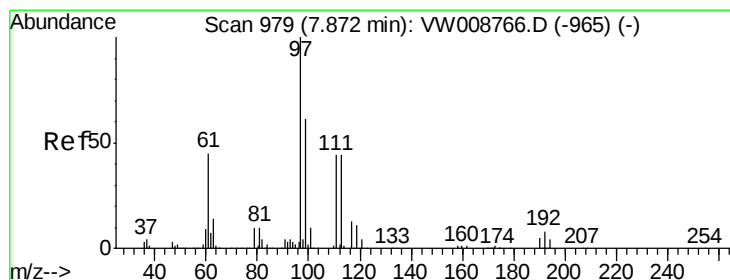
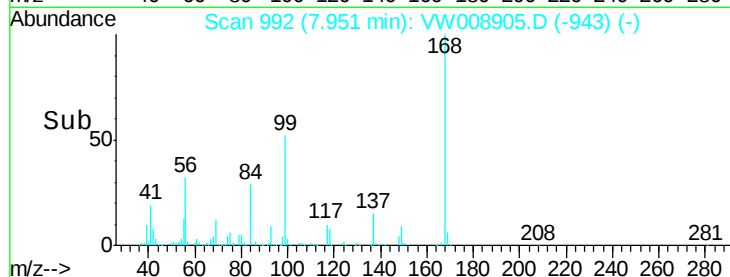
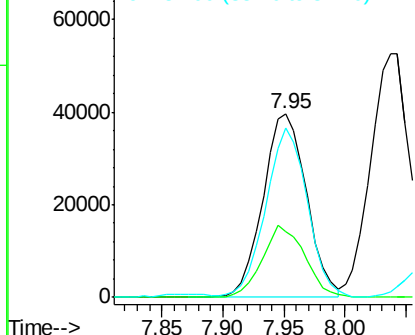


Abundance

Ion 56.00 (55.70 to 56.70): VW

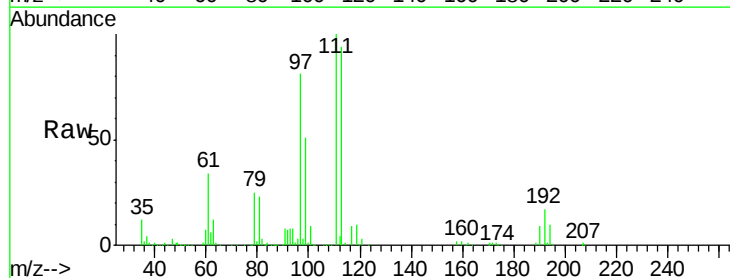
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 22.268 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.2	50.8	76.2	
61	45.3	36.0	54.0	

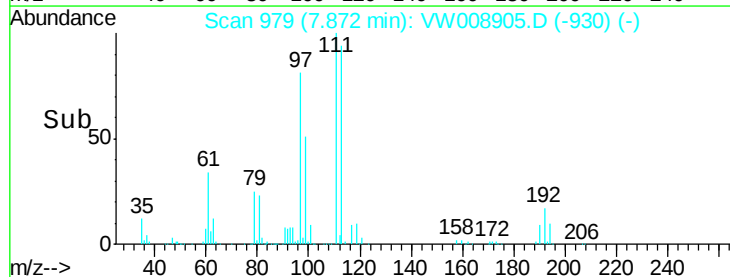
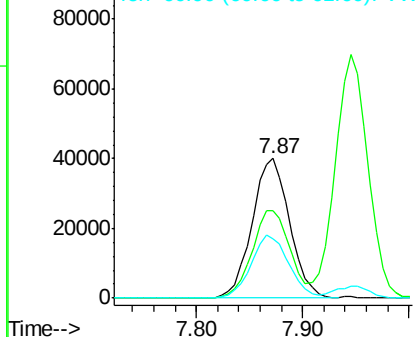


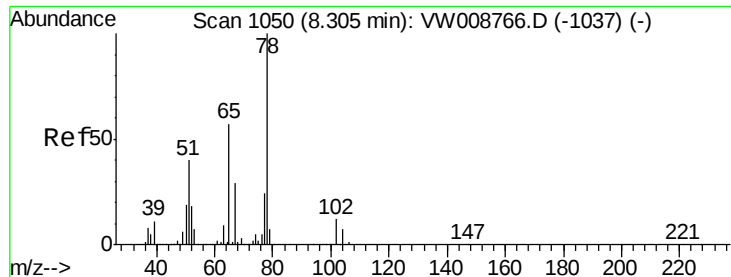
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





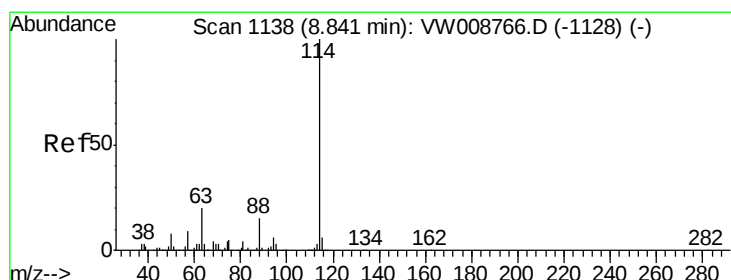
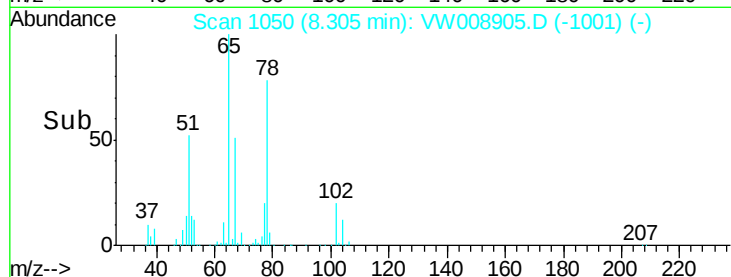
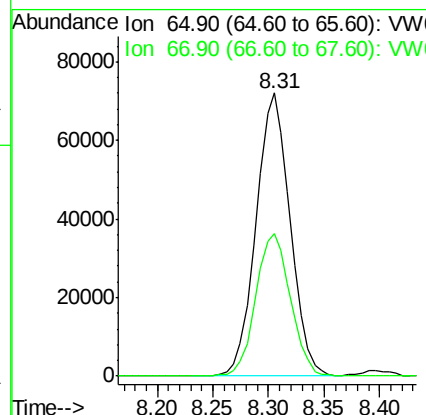
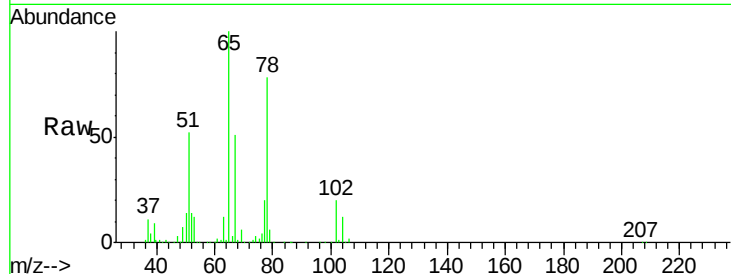
#33
 1,2-Dichloroethane-d4
 Concen: 60.214 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	101.4	

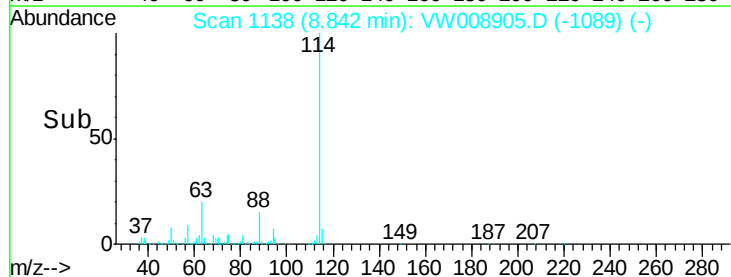
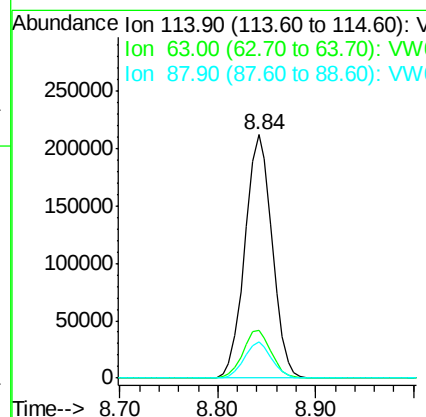
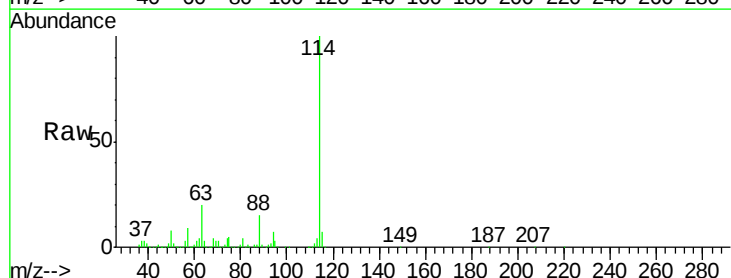
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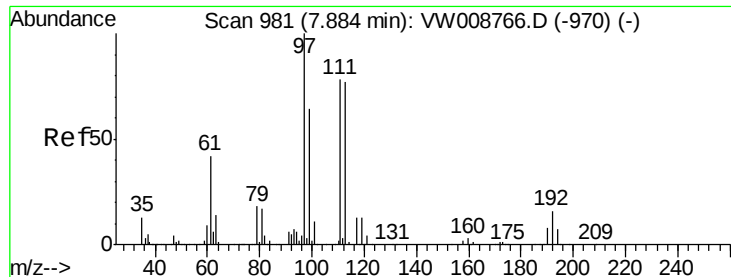
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 3/1/2019 2:57:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	40.8	
88	14.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 57.421 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

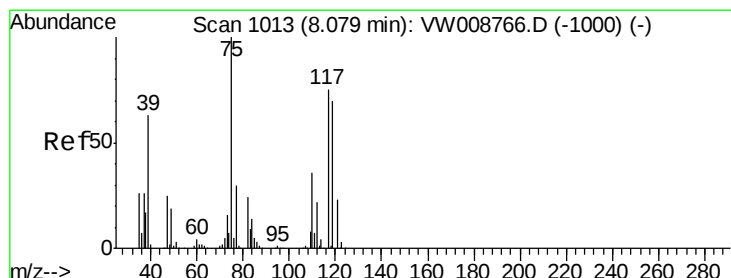
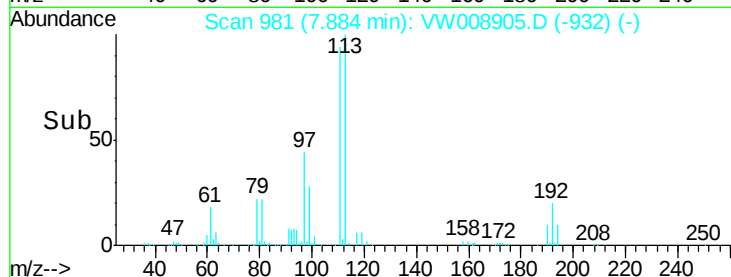
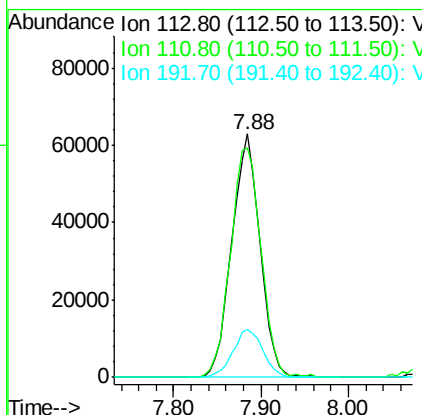
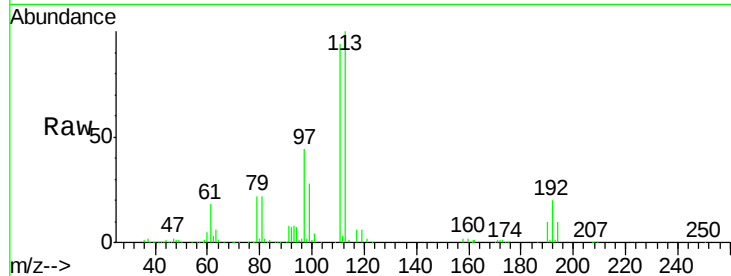
ClientSampleId :

VW0228SBS02

Tot Ion:	113	Resp:	141180
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.9	122.9
192	20.9	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 21.346 ug/l

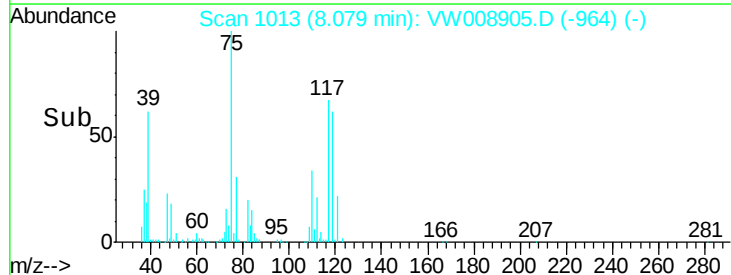
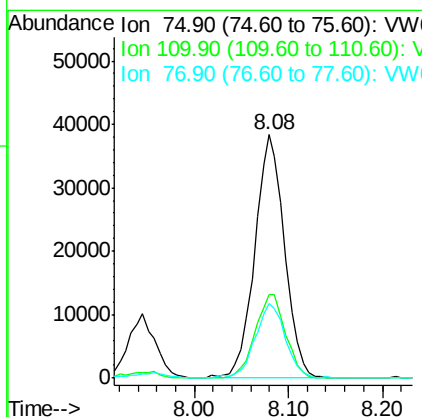
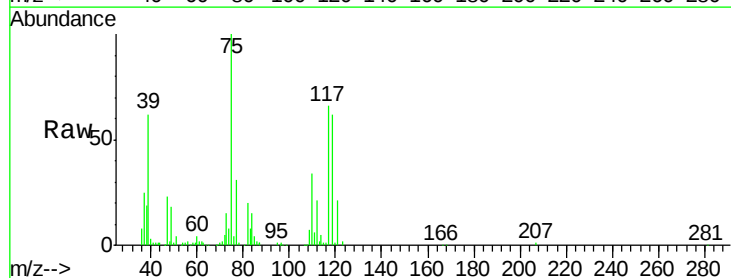
RT: 8.08 min Scan# 1013

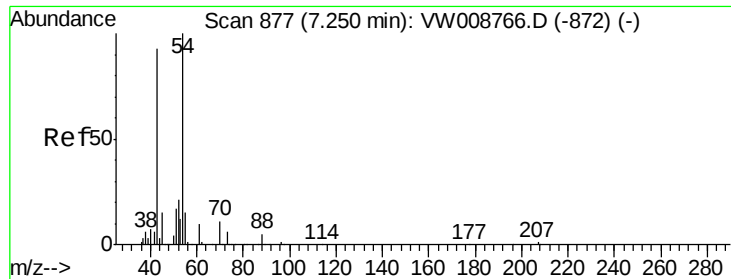
Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	75	Resp:	85089
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.5	52.6
77	31.1	24.5	36.7





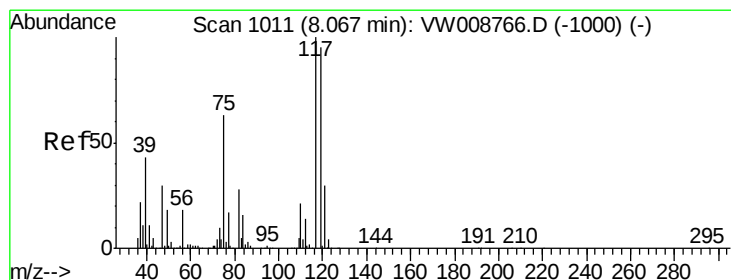
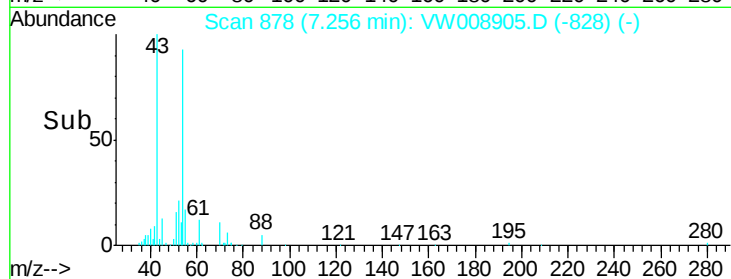
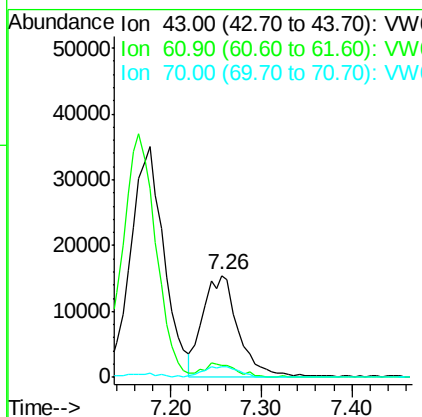
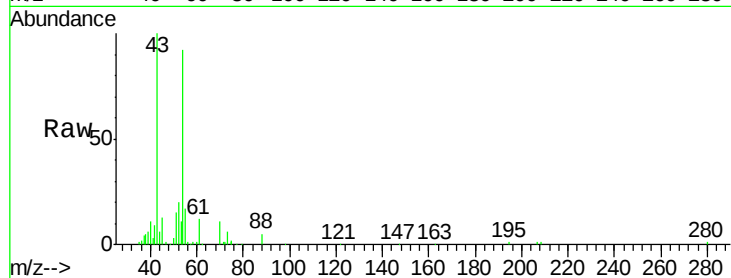
#37
Ethyl Acetate
Concen: 22.400 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	10.8	8.4	12.6

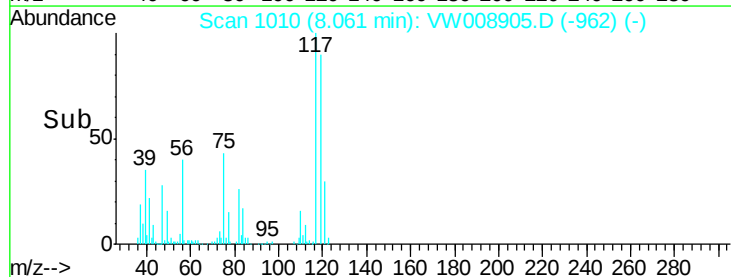
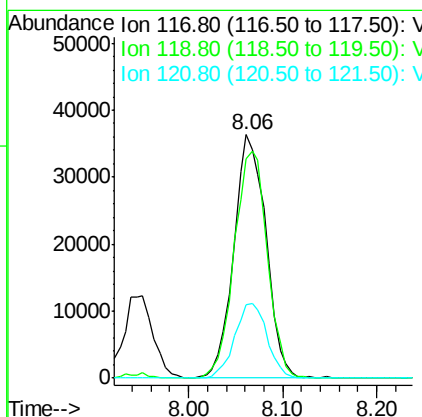
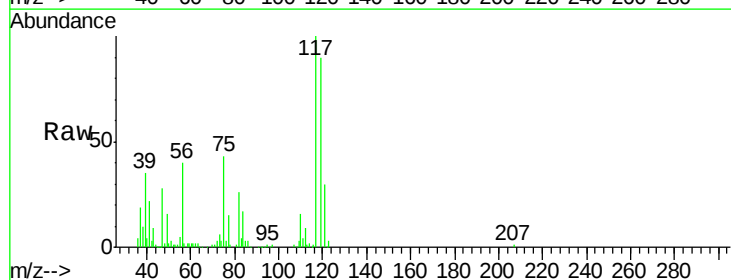
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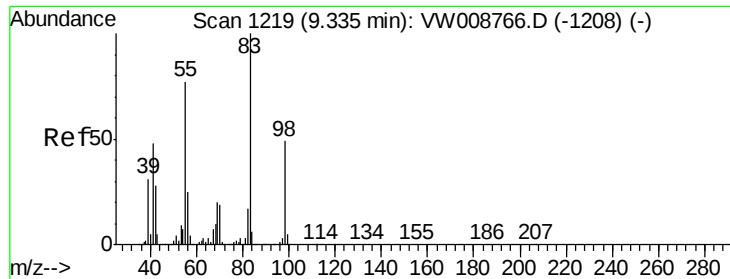
MMDadoda
3/1/2019 2:57:20 PM



#38
Carbon Tetrachloride
Concen: 20.580 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	76.1	114.1
121	30.2	24.0	36.0





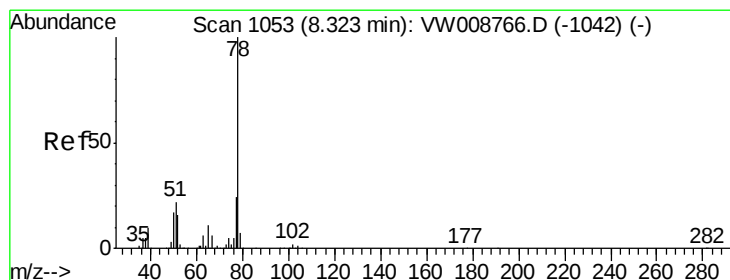
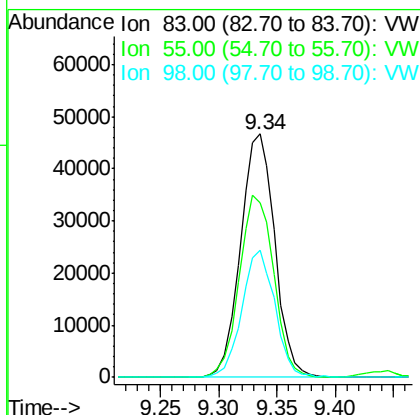
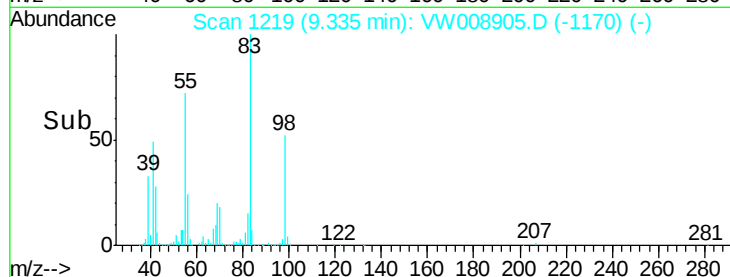
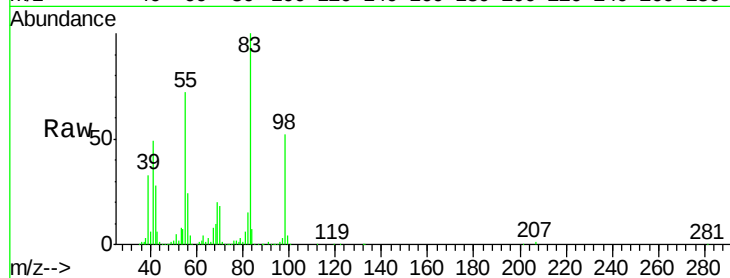
#39
Methvlcvclohexane
Concen: 19.286 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	83	Resp	95889
Ion Ratio	100	Lower	Upper
83	100		
55	71.7	61.2	91.8
98	52.3	39.4	59.2

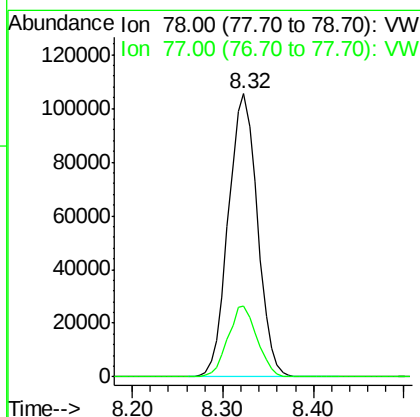
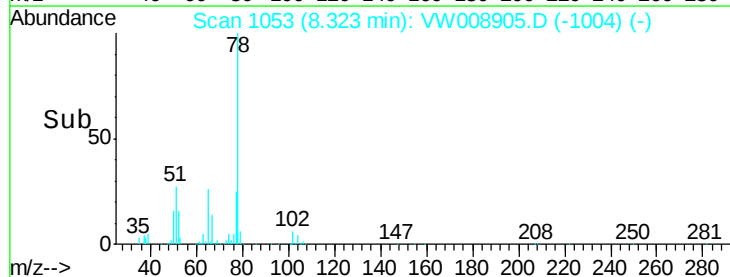
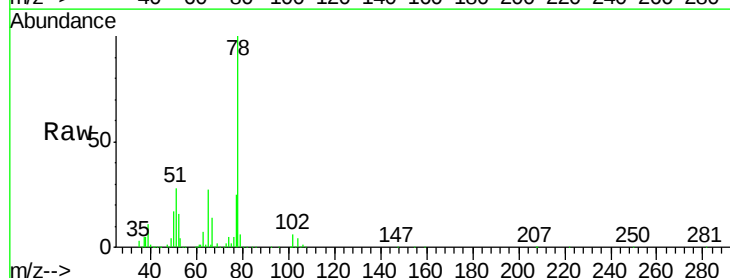
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3/1/2019 2:57:20 PM



#40
Benzene
Concen: 21.546 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	78	Resp	234502
Ion Ratio	100	Lower	Upper
78	100		
77	25.1	19.3	28.9





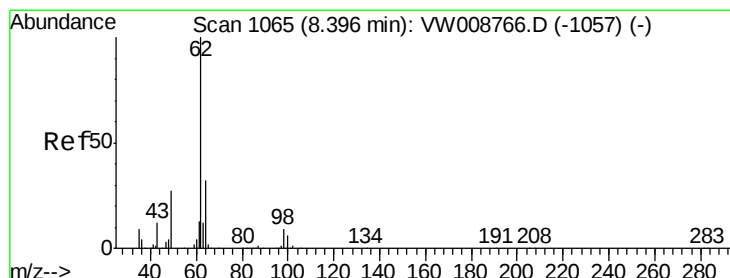
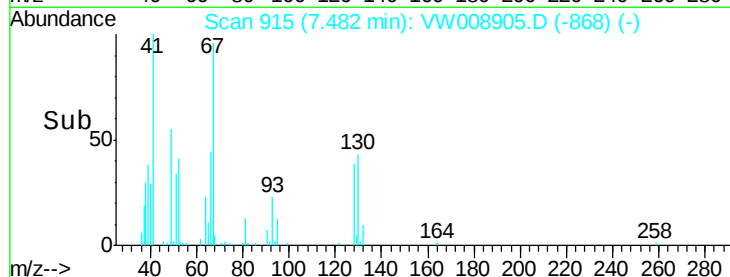
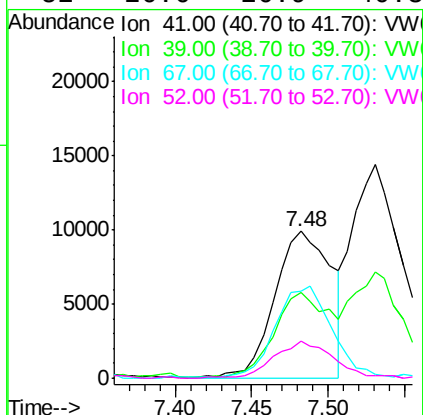
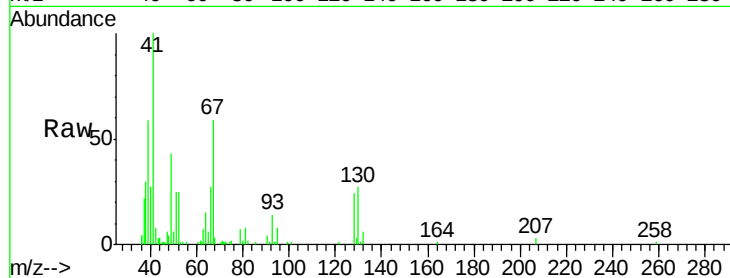
#41
Methacrylonitrile
Concen: 23.568 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	52.5	78.7
67	61.7	55.0	82.6
52	26.6	26.9	40.3

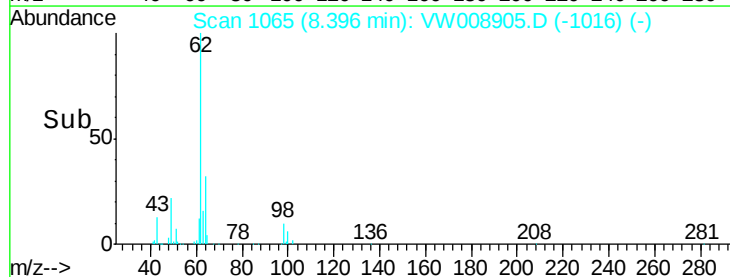
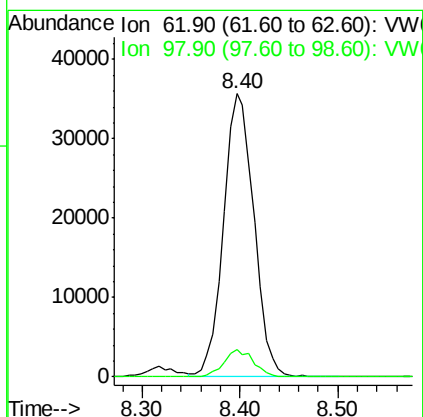
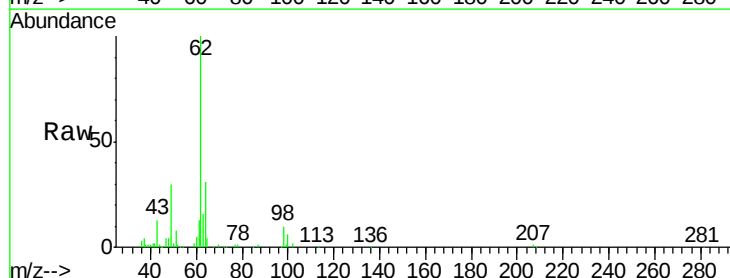
Manual Integrations
APPROVED

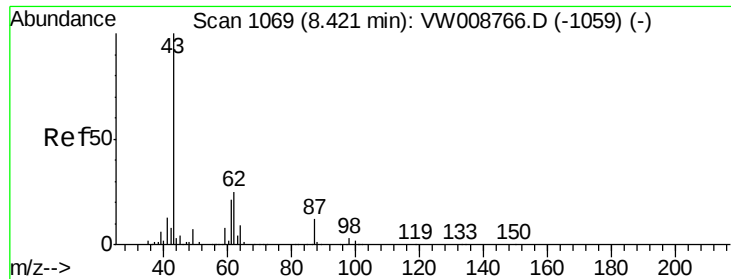
MMDadoda
3/1/2019 2:57:20 PM



#42
1,2-Dichloroethane
Concen: 22.322 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.042 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

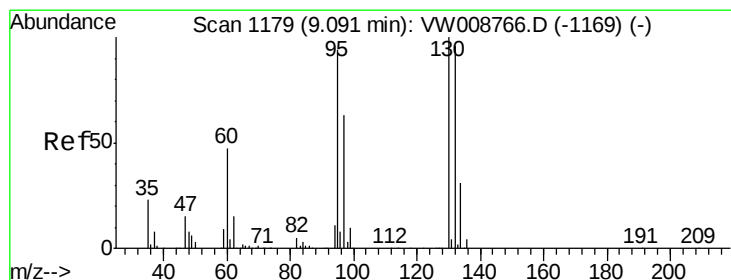
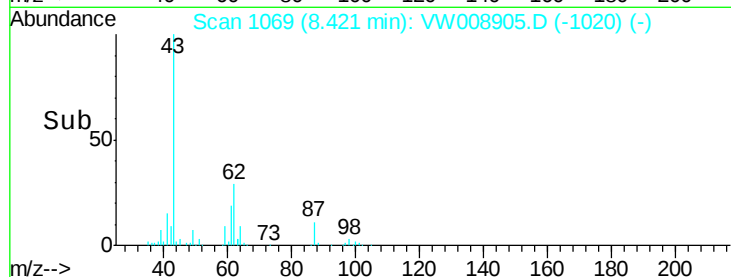
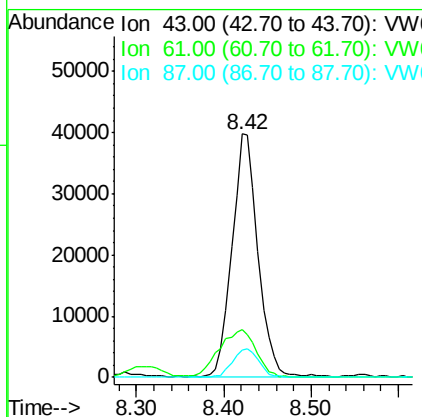
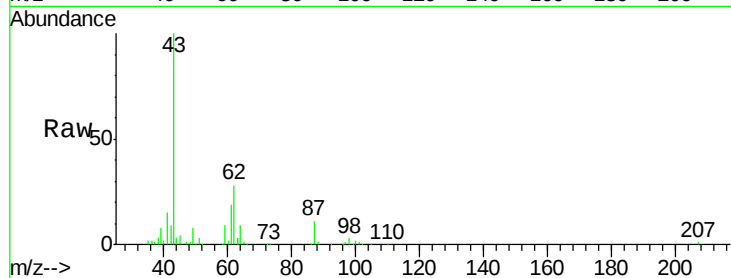
ClientSampleId :

VW0228SBS02

Tot Ion:	43	Resp:	81548
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.2	34.8
87	12.1	9.9	14.9

Manual Integrations
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3/1/2019 2:57:20 PM



#44

Trichloroethene

Concen: 21.231 ug/l

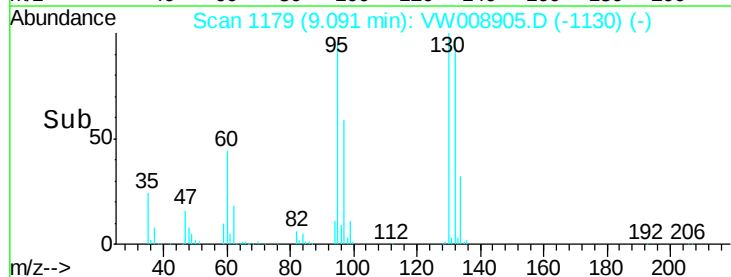
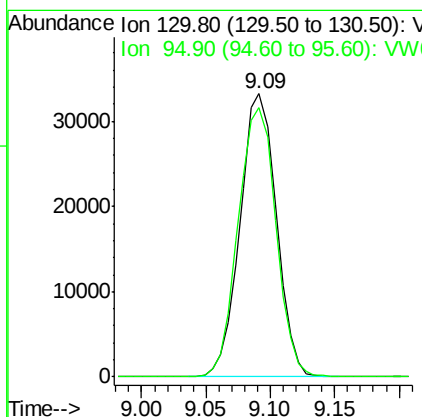
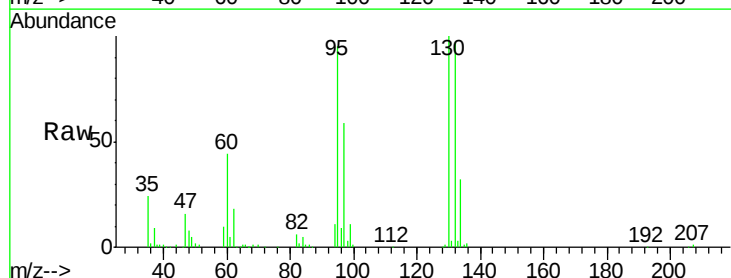
RT: 9.09 min Scan# 1179

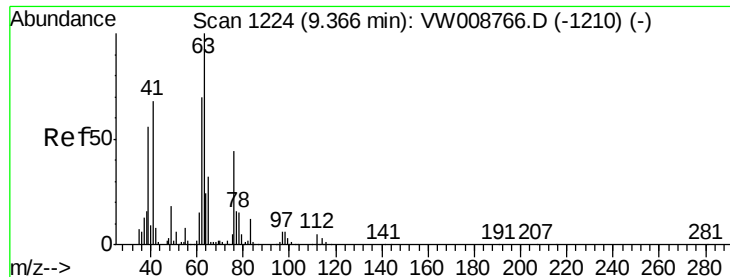
Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	130	Resp:	65093
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	188.6





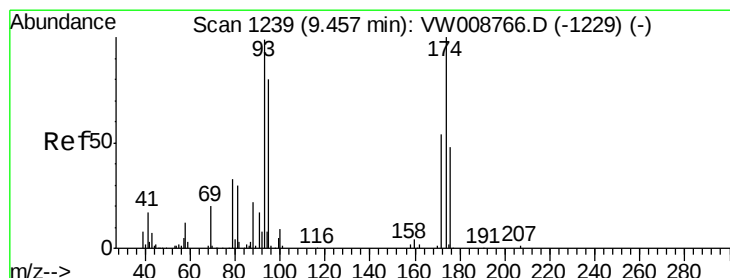
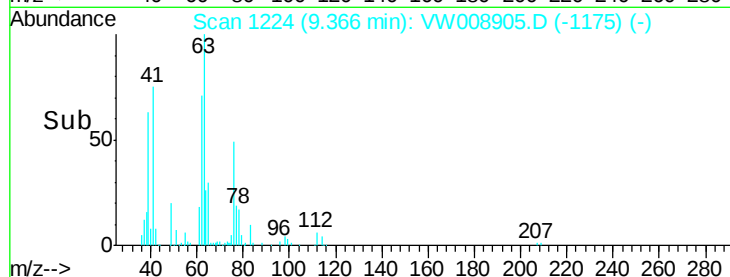
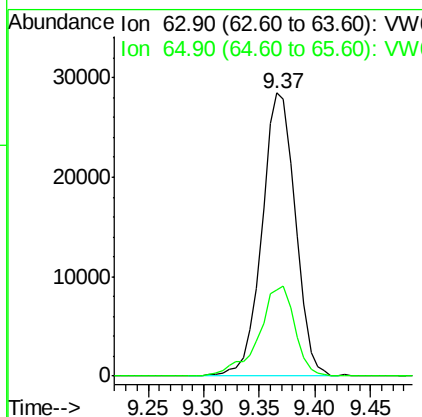
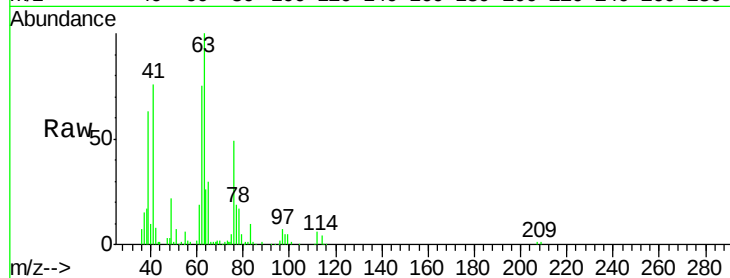
#45
 1,2-Dichloropropane
 Concen: 22.148 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3

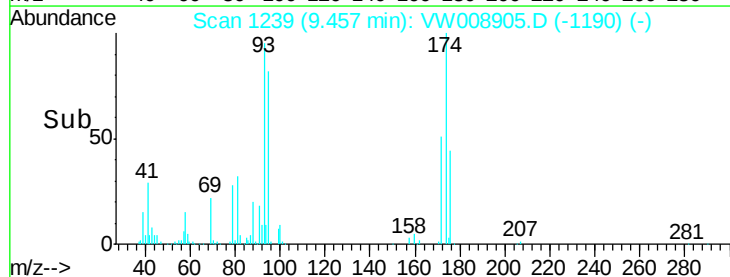
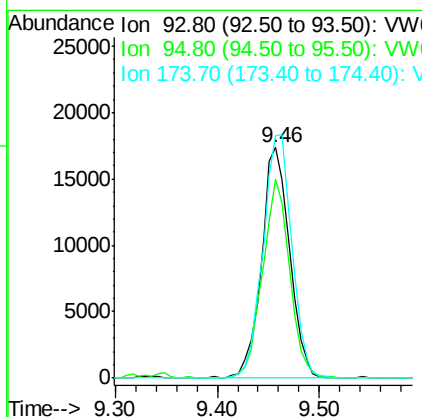
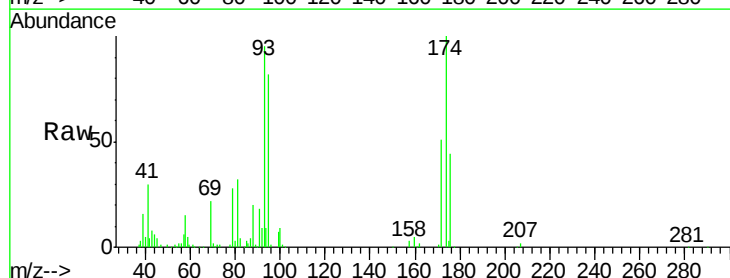
Manual Integrations
 APPROVED

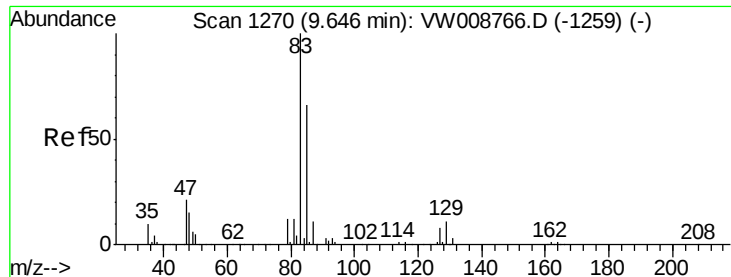
MMDadoda
 3/1/2019 2:57:20 PM



#46
 Dibromomethane
 Concen: 22.312 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.7	101.5
174	108.4	86.7	130.1





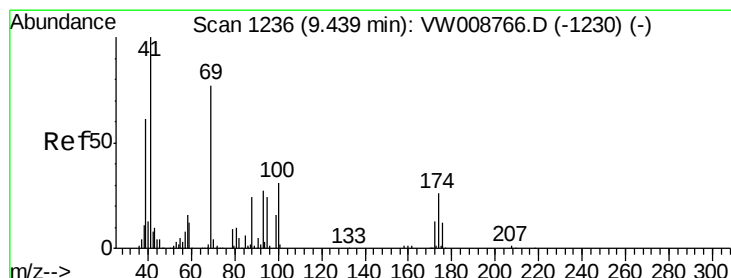
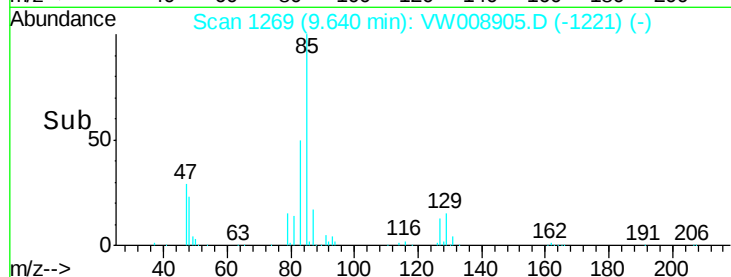
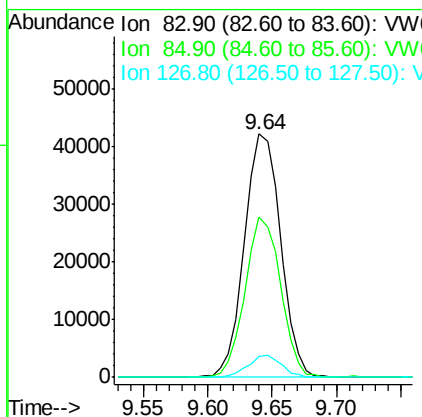
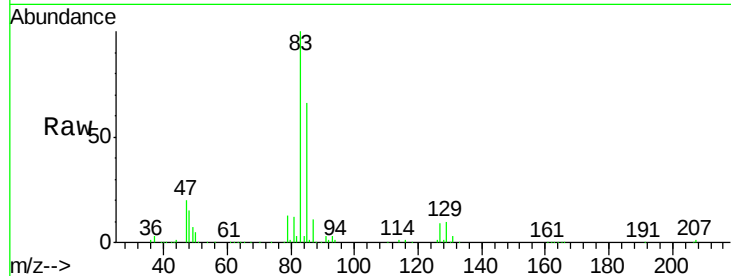
#47
Bromodichloromethane
Concen: 22.550 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	83	Resp	82077
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	52.5	78.7
127	8.6	6.7	10.1

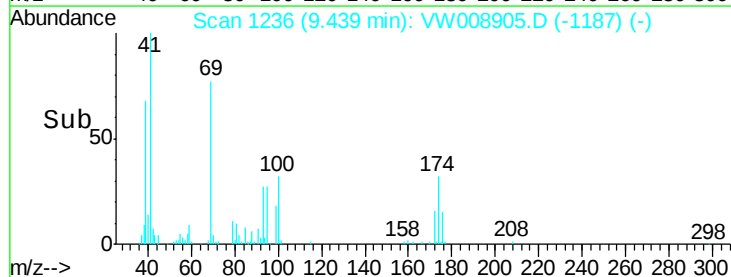
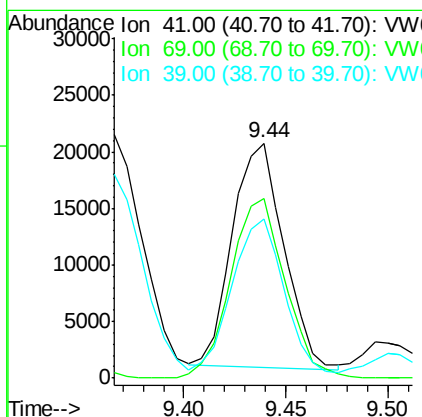
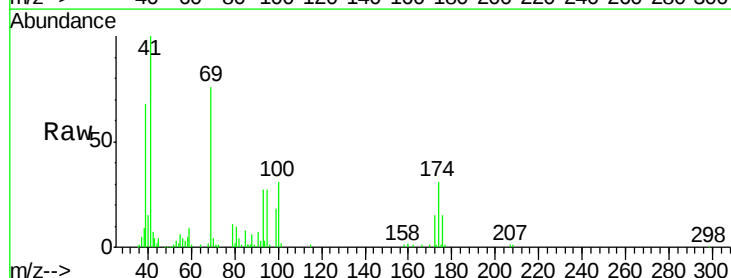
Manual Integrations
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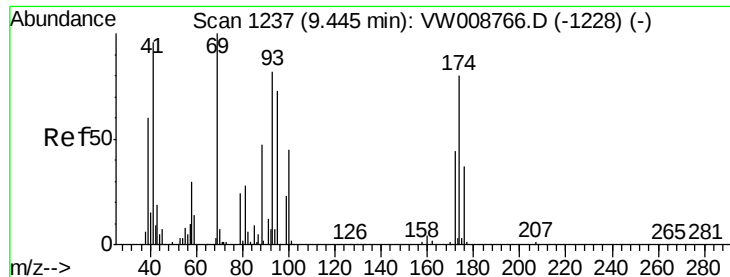
MMDadoda
3/1/2019 2:57:20 PM



#48
Methyl methacrylate
Concen: 19.601 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	41	Resp	34730
Ion Ratio	100	Lower	Upper
41	100		
69	85.2	63.6	95.4
39	72.7	52.1	78.1





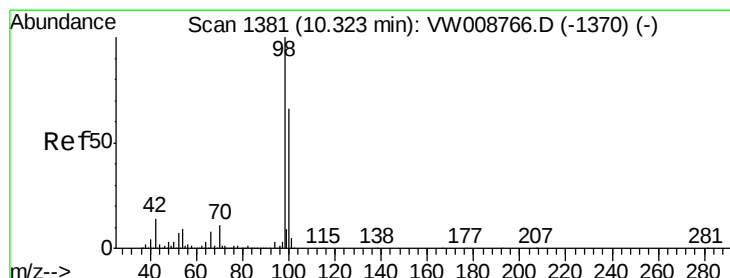
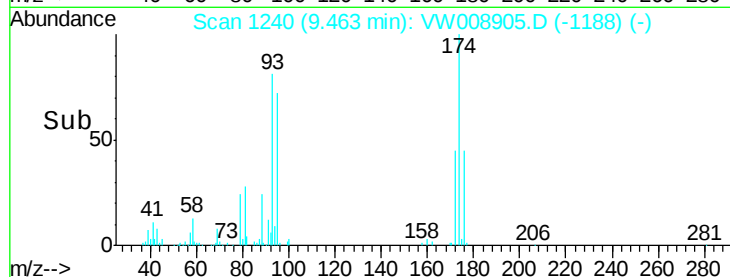
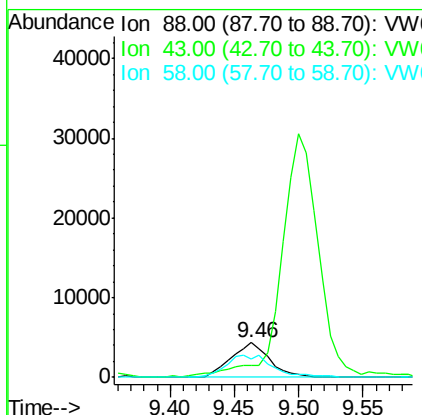
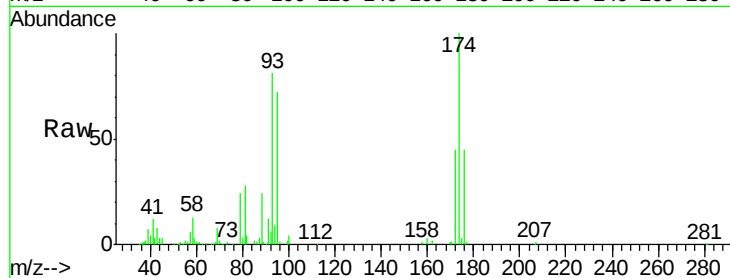
#49
1,4-Dioxane
Concen: 383.564 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	88	Ratio	100	Resp	9189
Ion	88	100		Lower	Upper
	43	0.0		29.0	43.4#
	58	78.1		52.0	78.0#

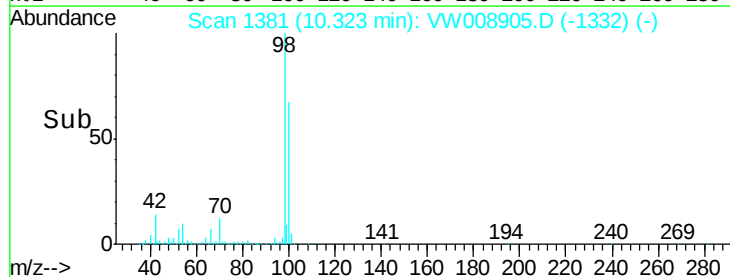
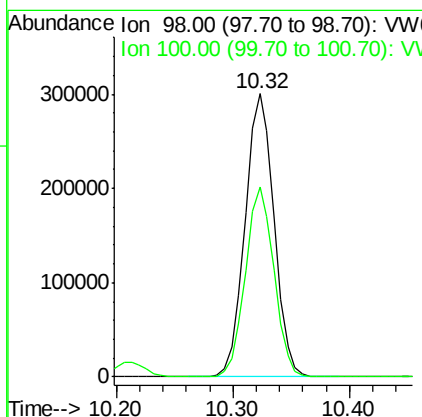
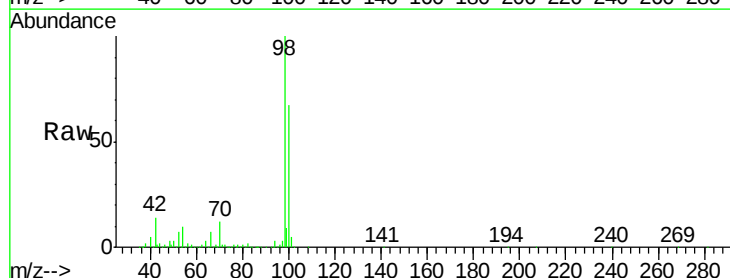
Manual Integrations
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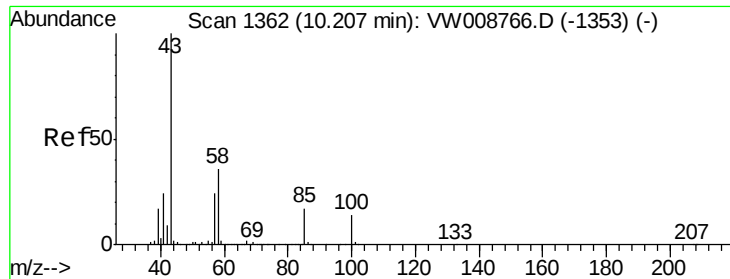
MMDadoda
3/1/2019 2:57:20 PM



#50
Toluene-d8
Concen: 54.925 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	98	Ratio	100	Resp	521302
Ion	98	100		Lower	Upper
	100	66.2		52.4	78.6





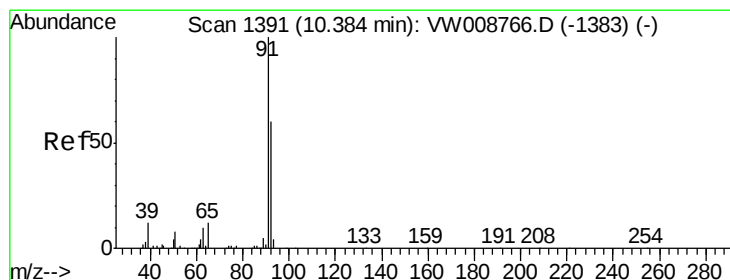
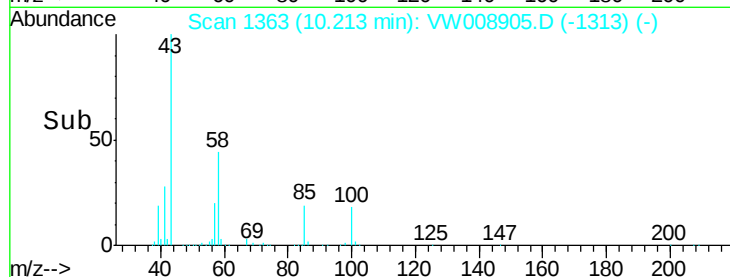
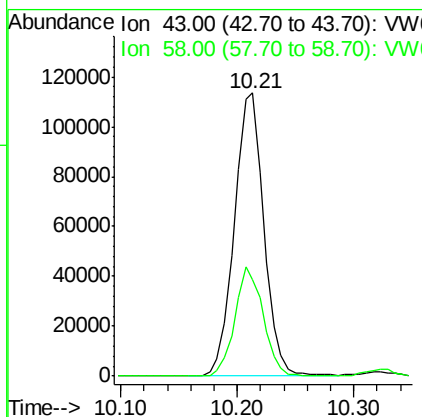
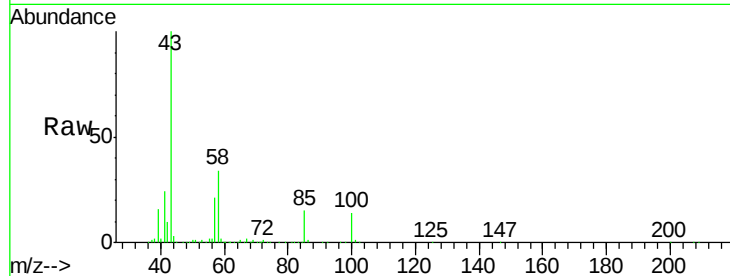
#51
4-Methyl-2-Pentanone
Concen: 106.678 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion: 43 Resp: 200369
Ion Ratio Lower Upper
43 100
58 37.0 29.1 43.7

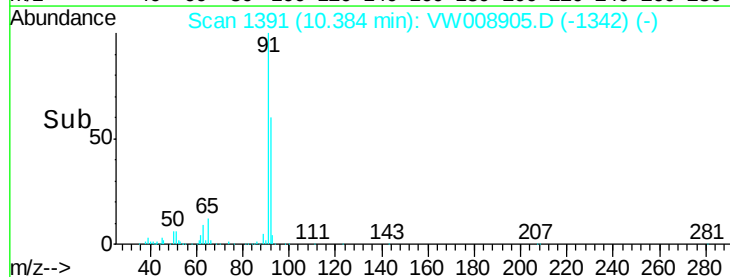
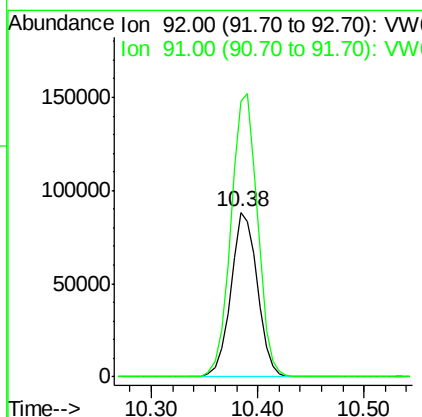
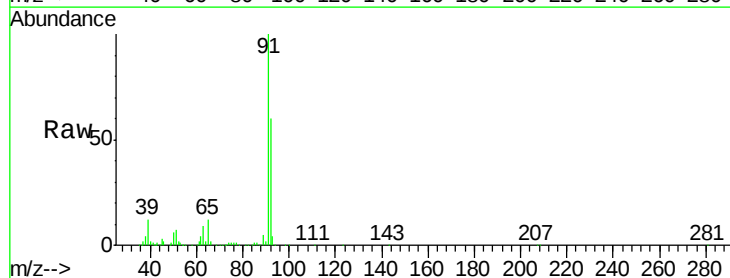
Manual Integrations
APPROVED

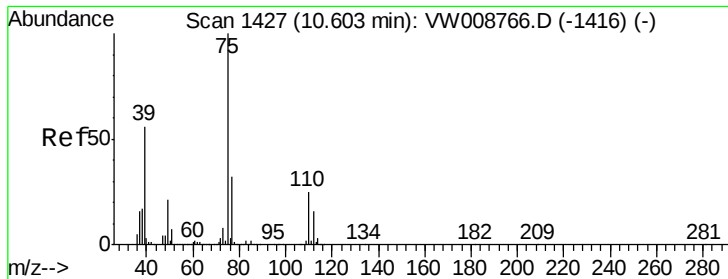
MMDadoda
3/1/2019 2:57:20 PM



#52
Toluene
Concen: 20.885 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion: 92 Resp: 154262
Ion Ratio Lower Upper
92 100
91 172.8 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 20.721 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 75 Resp: 76872

Ion Ratio Lower Upper

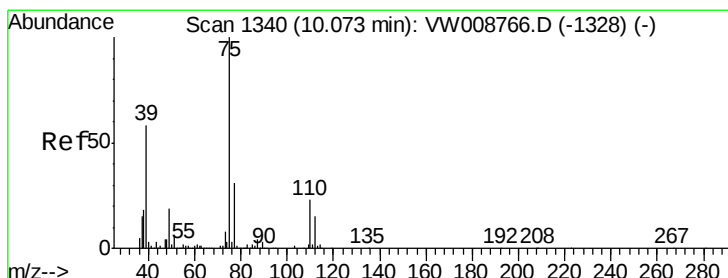
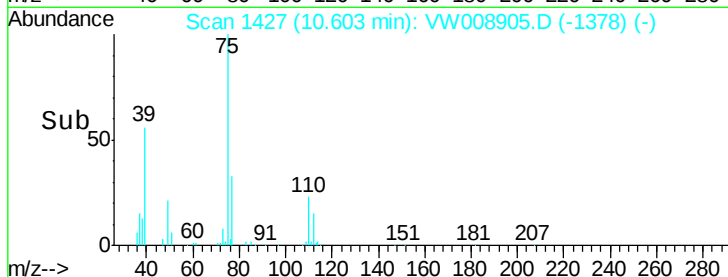
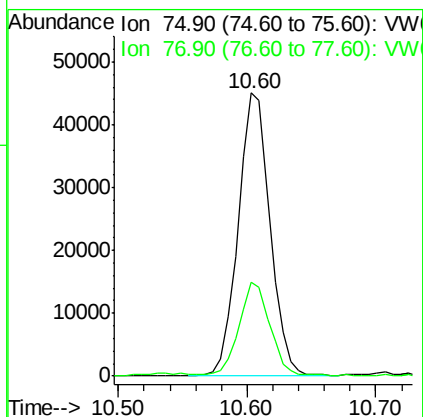
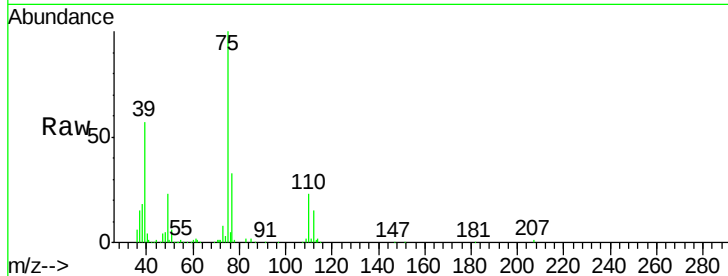
75 100

77 33.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

3/1/2019 2:57:20 PM



#54

cis-1,3-Dichloropropene

Concen: 21.840 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

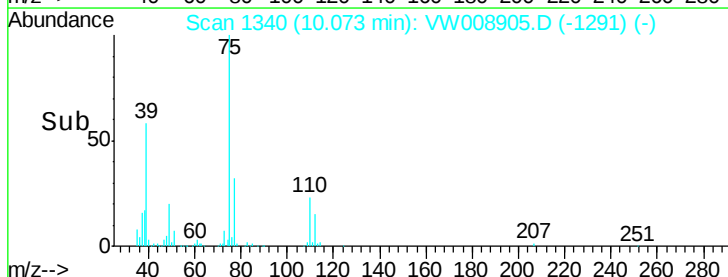
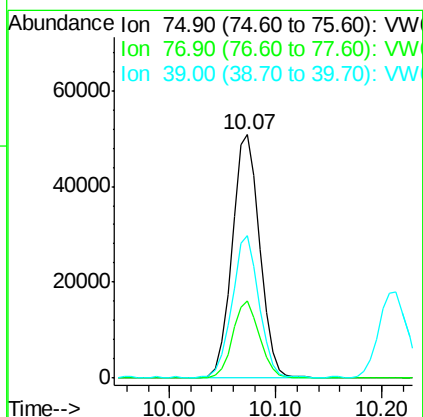
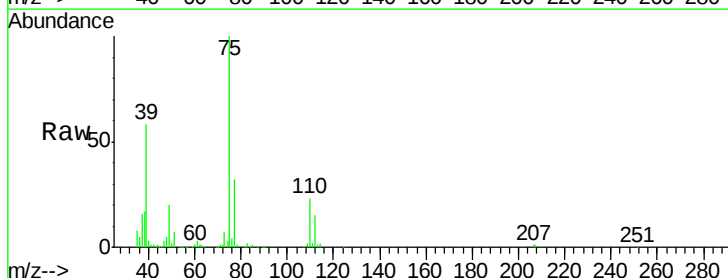
Tgt Ion: 75 Resp: 92409

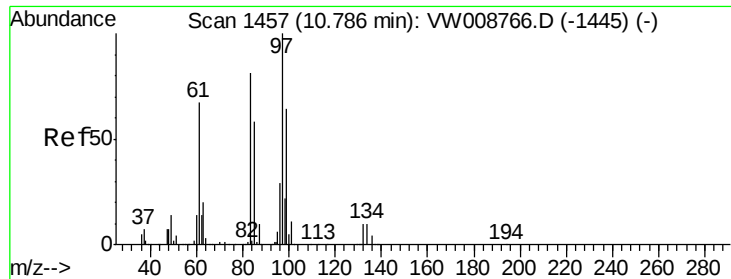
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 58.2 46.6 70.0





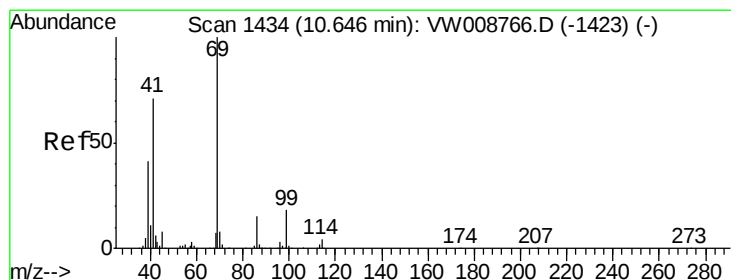
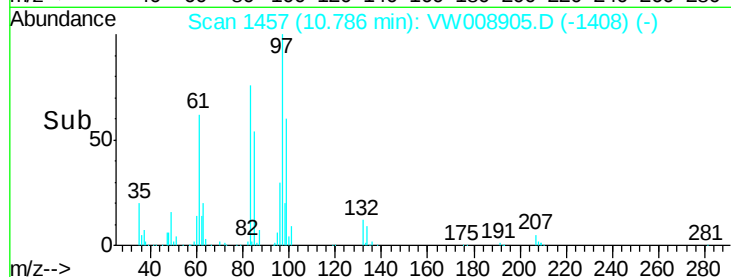
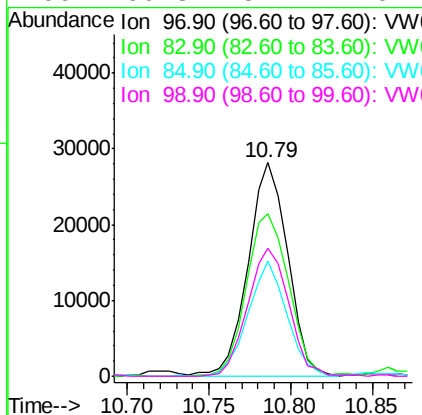
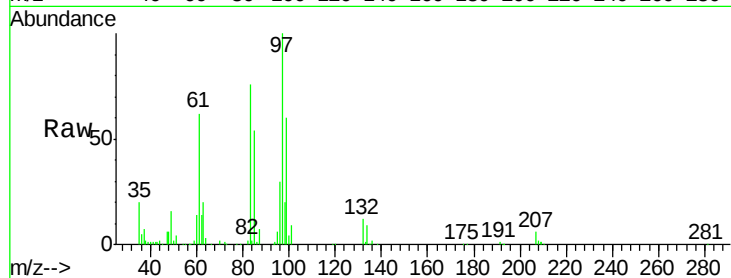
#55
 1,1,2-Trichloroethane
 Concen: 23.329 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion:	97	Resp:	47330
Ion	Ratio	Lower	Upper
97	100		
83	76.1	65.0	97.6
85	53.9	46.0	69.0
99	60.3	51.1	76.7

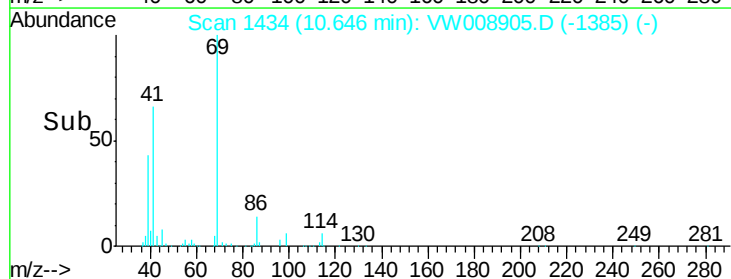
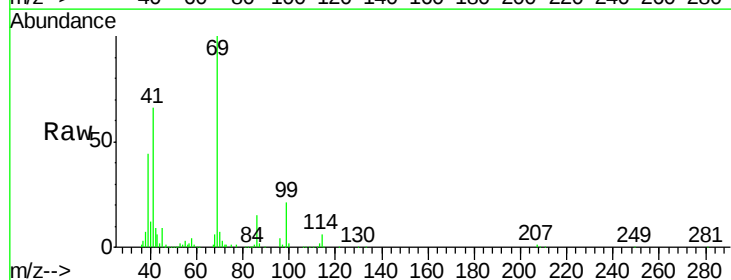
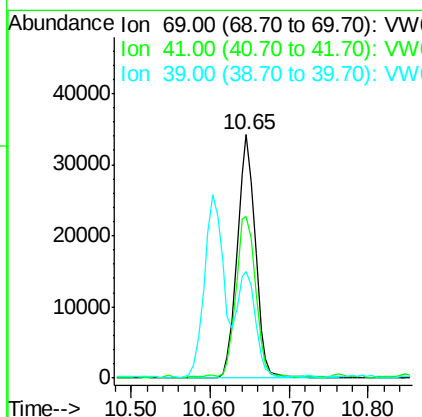
Manual Integrations
 APPROVED

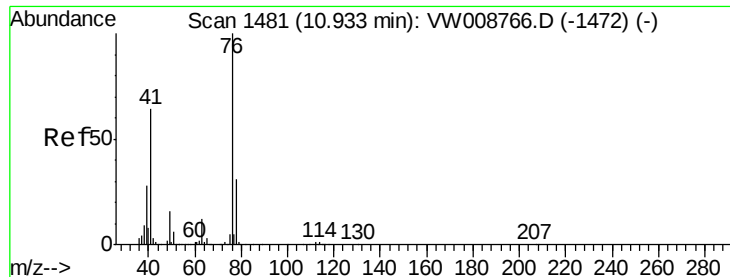
MMDadoda
 3/1/2019 2:57:20 PM



#56
 Ethyl methacrylate
 Concen: 20.941 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion:	69	Resp:	55198
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.4	86.0
39	42.1	34.8	52.2





#57

1,3-Dichloropropane

Concen: 22.587 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 76 Resp: 80908

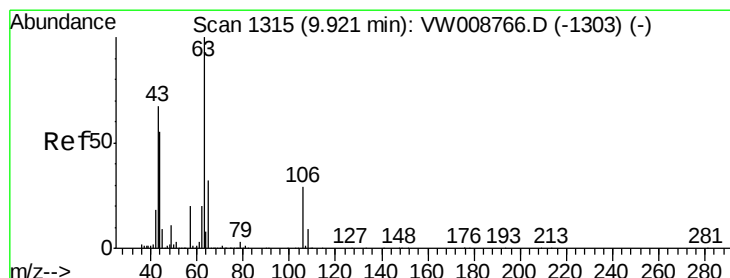
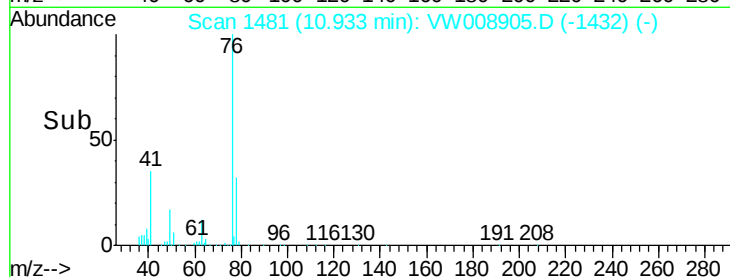
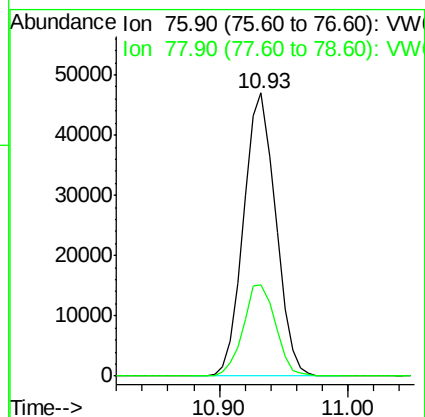
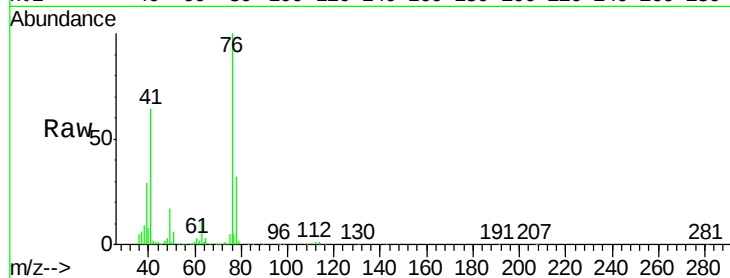
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

Manual Integrations
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MMDadoda
3/1/2019 2:57:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 116.167 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008905.D

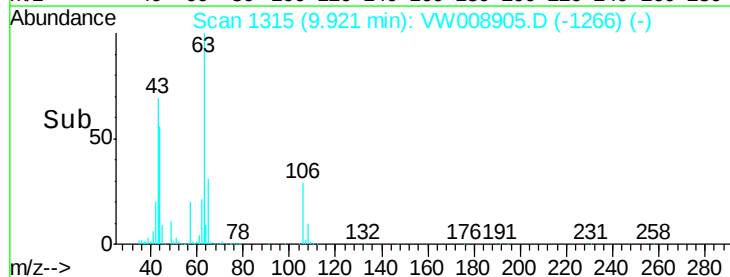
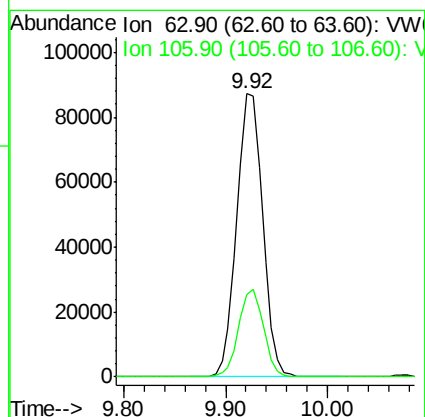
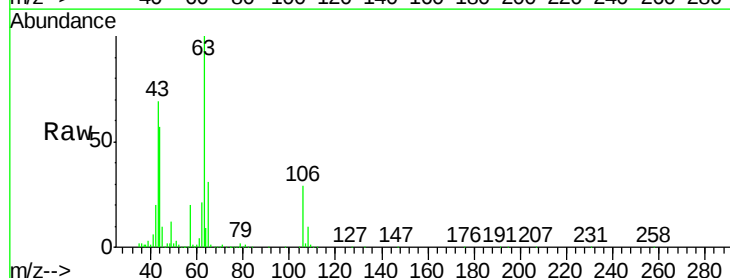
Acq: 01 Mar 2019 00:55

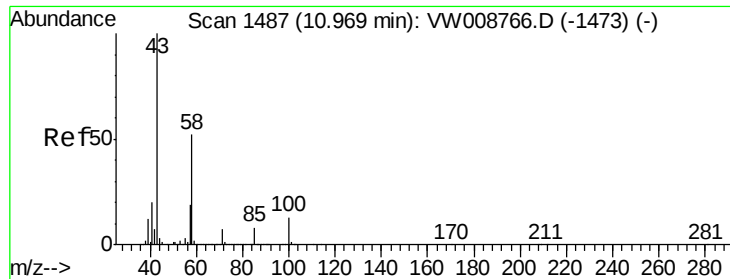
Tgt Ion: 63 Resp: 154000

Ion Ratio Lower Upper

63 100

106 29.7 24.0 36.0





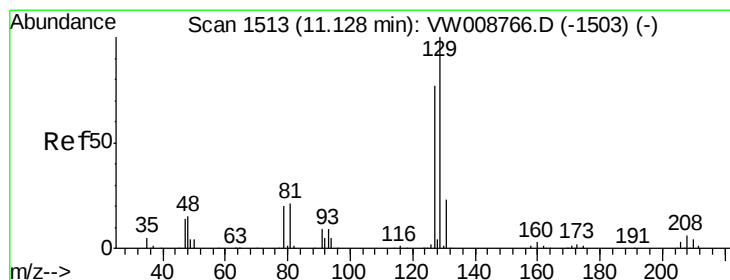
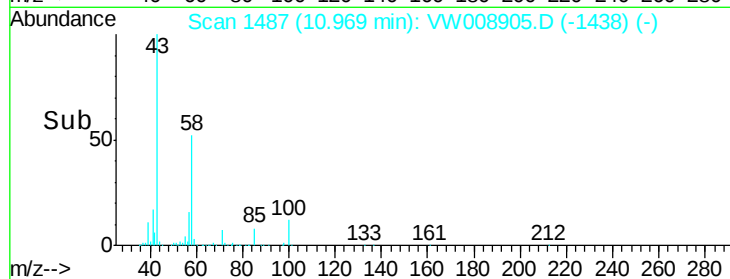
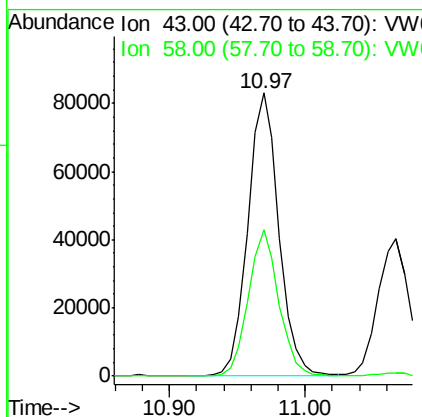
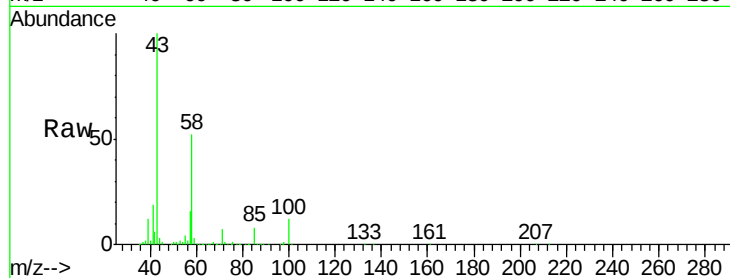
#59
2-Hexanone
Concen: 98.680 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	43	Resp	131938
Ion Ratio	43	100	
Lower	58	51.2	25.3
Upper			75.8

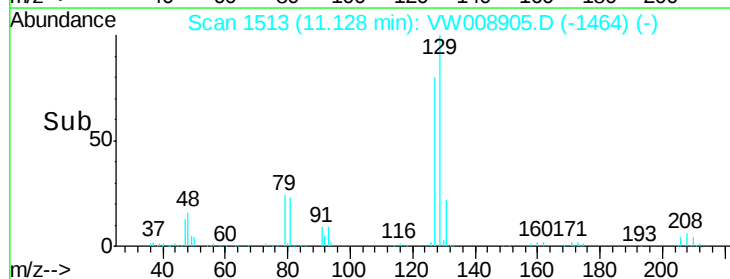
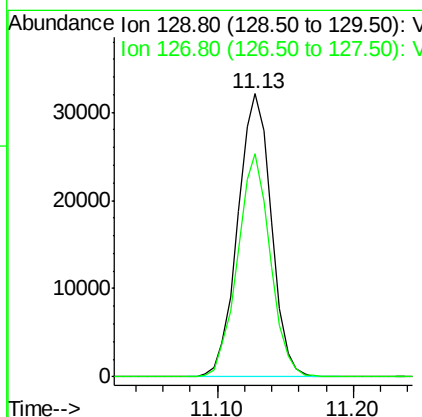
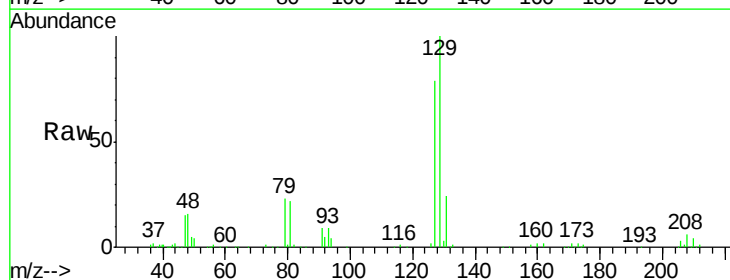
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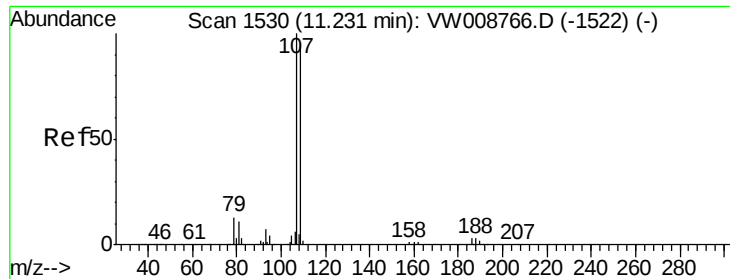
MMDadoda
3/1/2019 2:57:20 PM



#60
Dibromochloromethane
Concen: 22.262 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	129	Resp	55090
Ion Ratio	129	100	
Lower	127	76.9	39.0
Upper			116.9





#61

1,2-Dibromoethane

Concen: 22.092 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 107 Resp: 44366

Ion Ratio Lower Upper

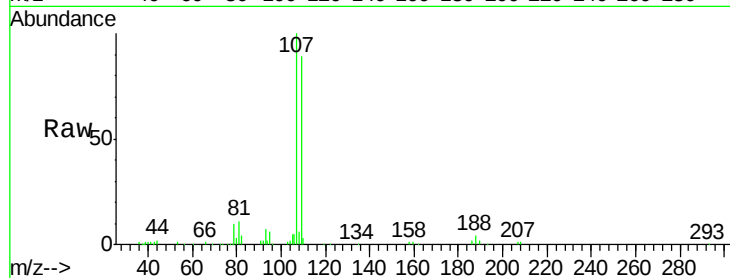
107 100

109 94.4 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

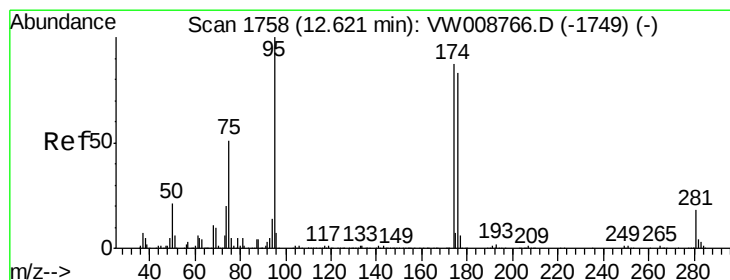
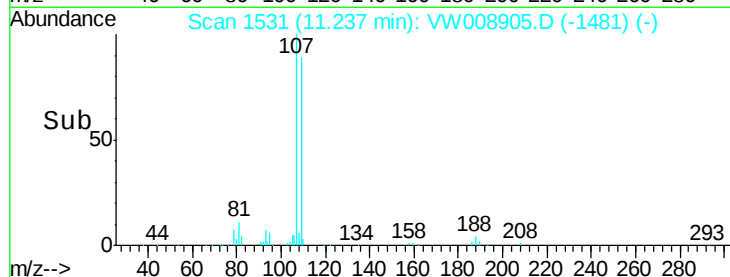
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.475 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

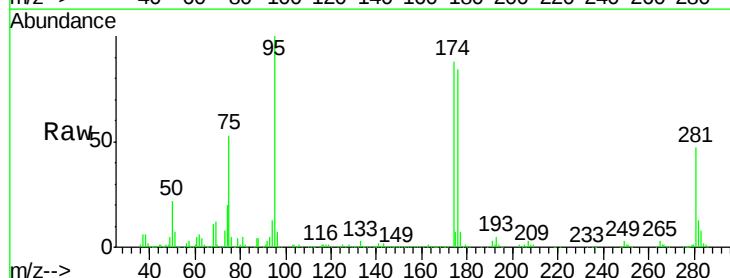
Tgt Ion: 95 Resp: 202440

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.2

176 82.8 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

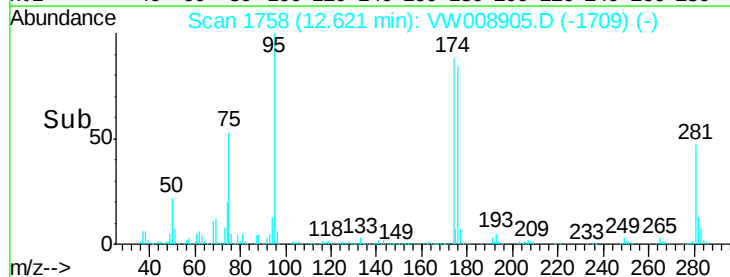
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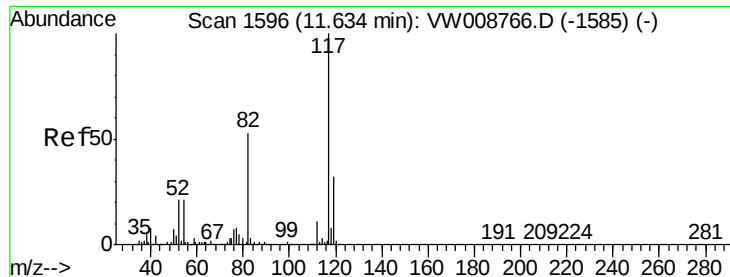
100000

50000

0

Time-->





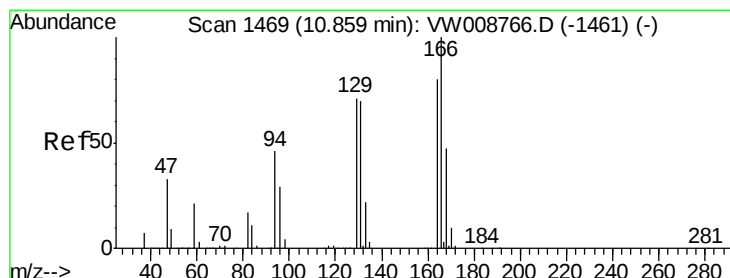
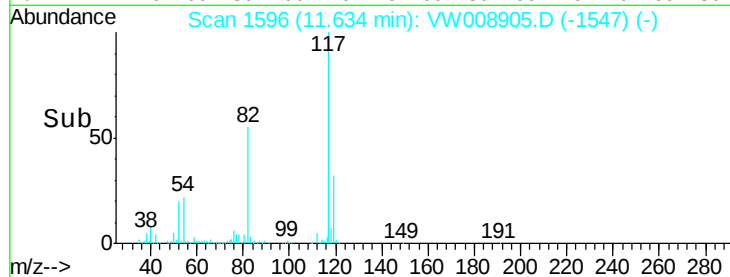
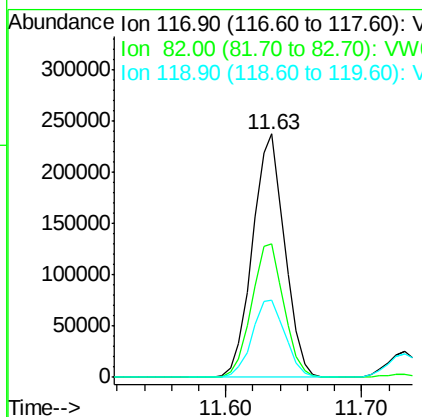
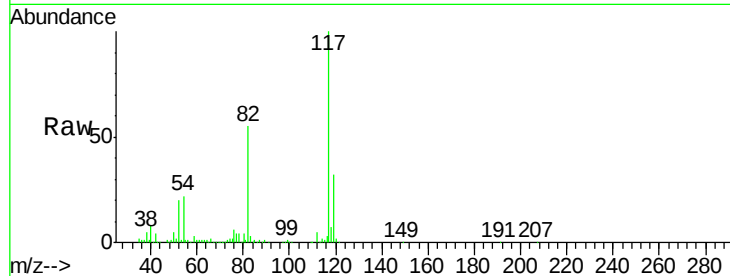
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	31.8	25.9	38.9

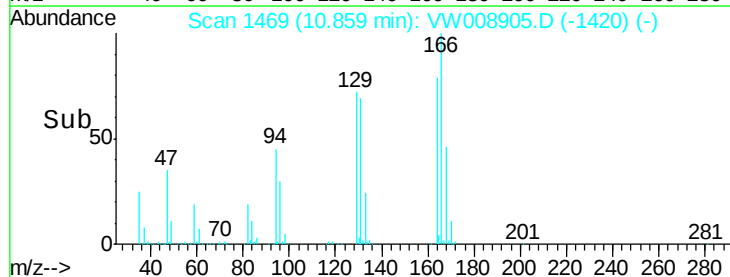
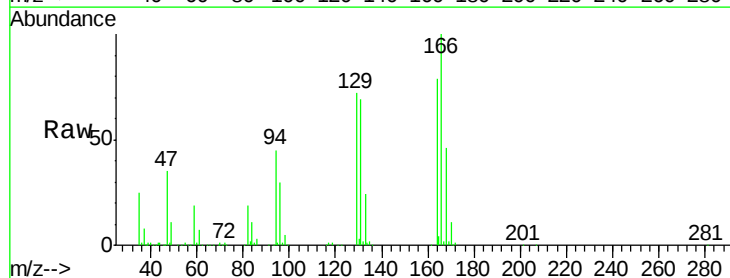
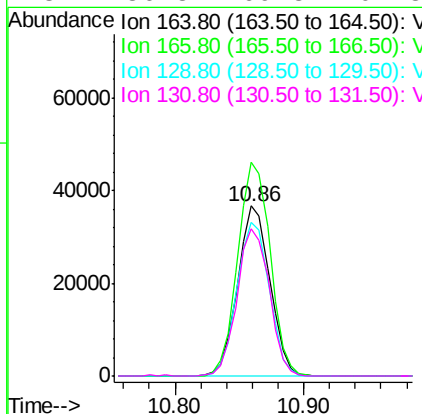
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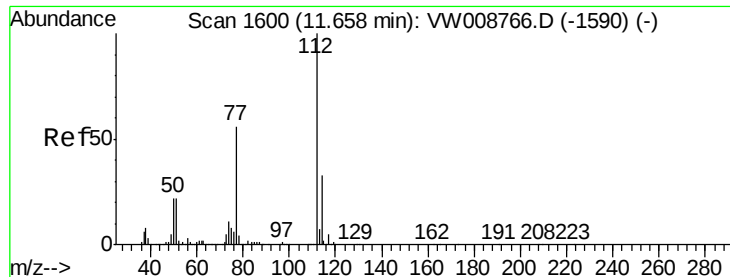
MMDadoda
3/1/2019 2:57:20 PM



#64
Tetrachloroethene
Concen: 22.499 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.5	149.3
129	90.6	71.1	106.7
131	86.8	69.8	104.8





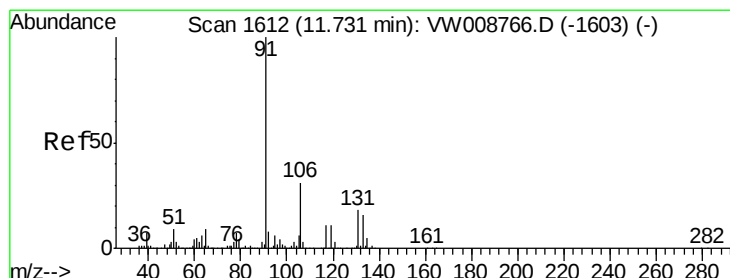
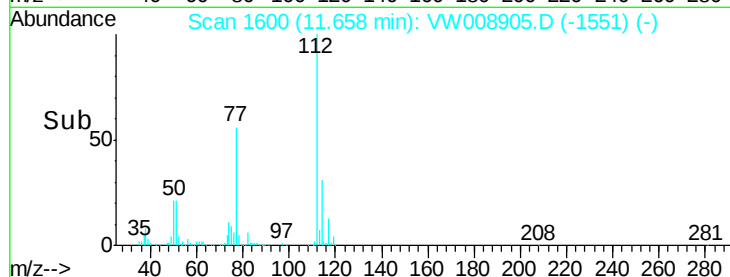
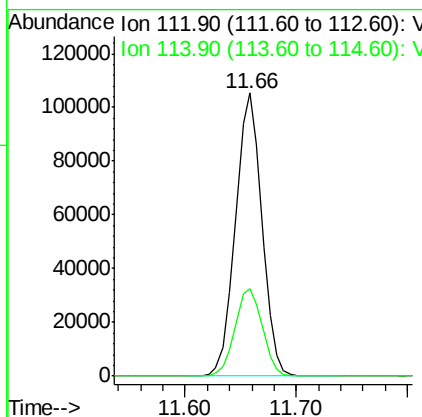
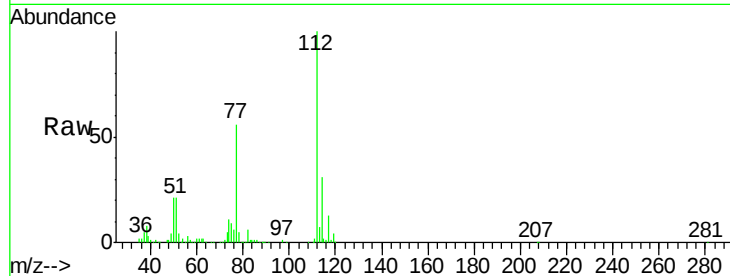
#65
Chlorobenzene
Concen: 20.824 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion:112 Resp: 172888
Ion Ratio Lower Upper
112 100
114 31.1 26.6 40.0

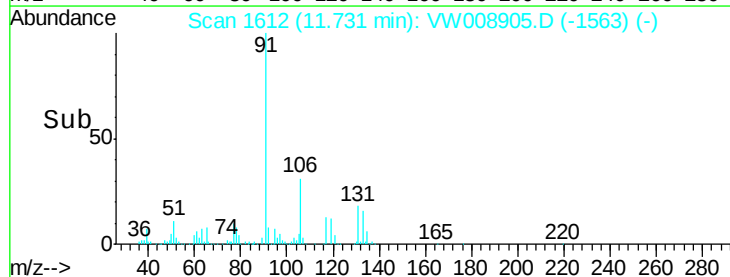
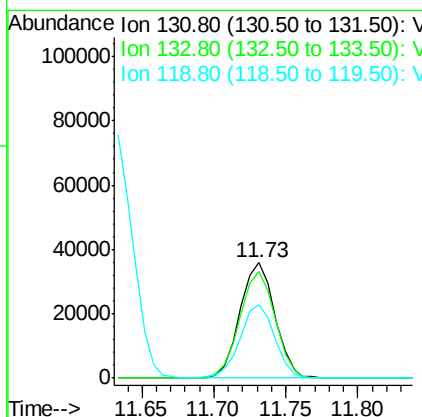
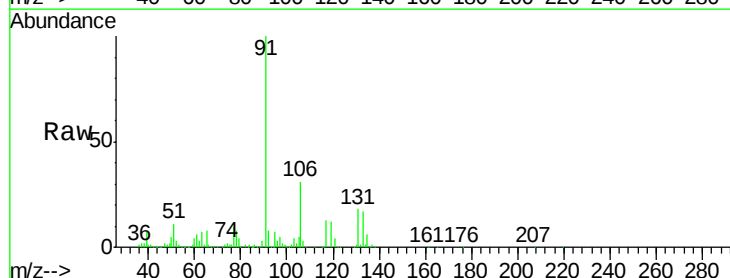
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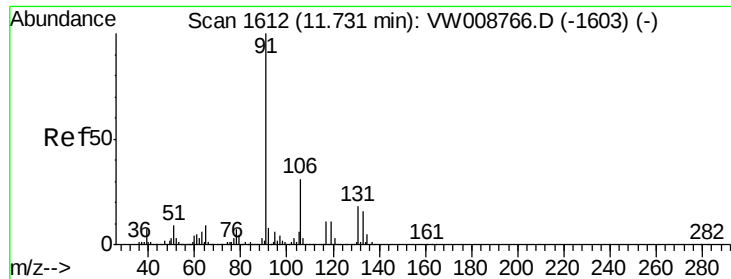
MMDadoda
3/1/2019 2:57:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion:131 Resp: 59929
Ion Ratio Lower Upper
131 100
133 94.4 46.7 140.0
119 63.4 30.8 92.4





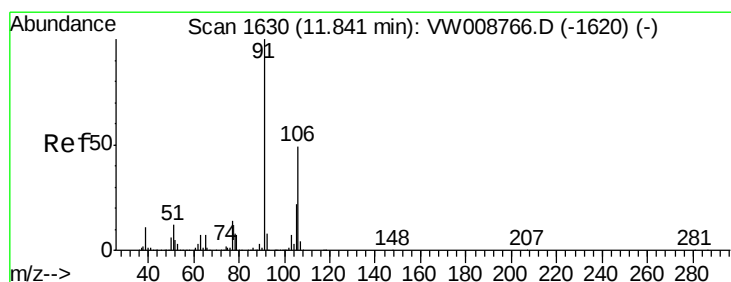
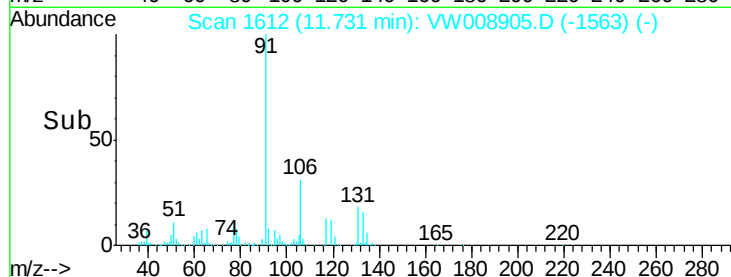
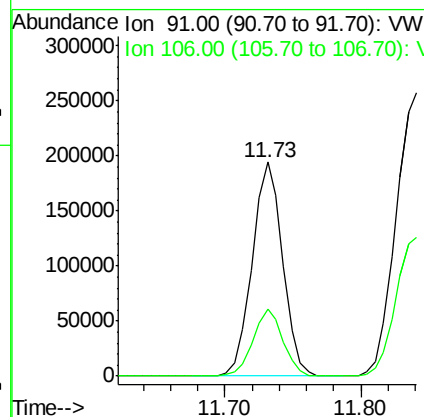
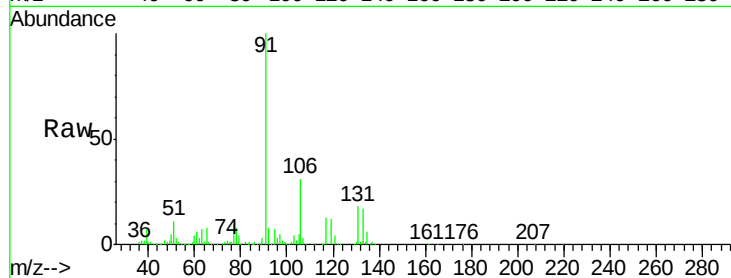
#67
Ethyl Benzene
Concen: 20.486 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion: 91 Resp: 304054
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

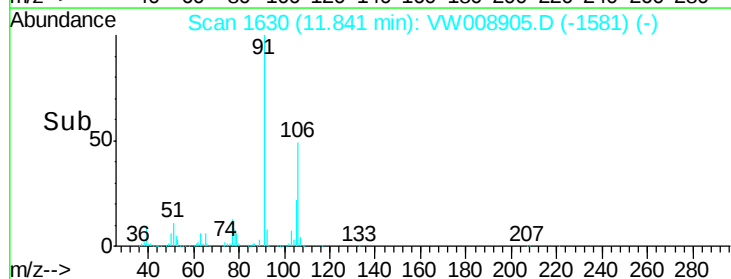
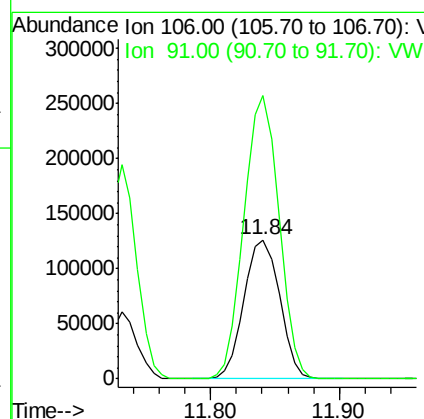
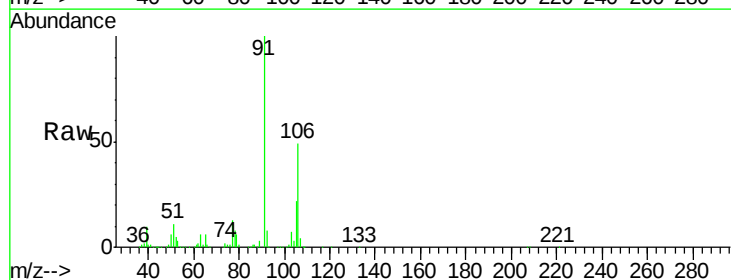
Manual Integrations
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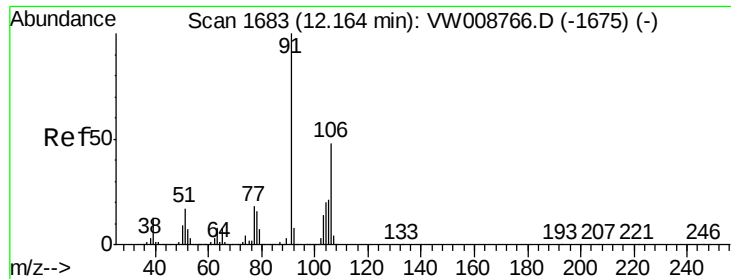
MMDadoda
3/1/2019 2:57:20 PM



#68
m/p-Xylenes
Concen: 40.961 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion: 106 Resp: 242901
Ion Ratio Lower Upper
106 100
91 200.1 161.5 242.3





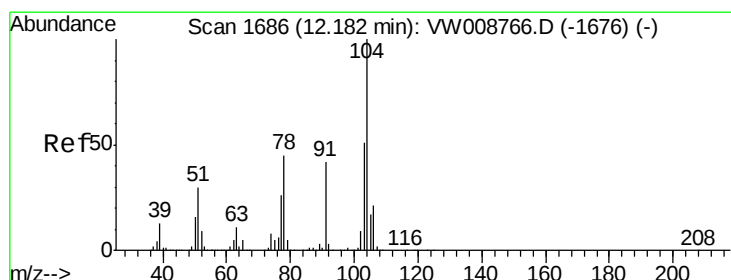
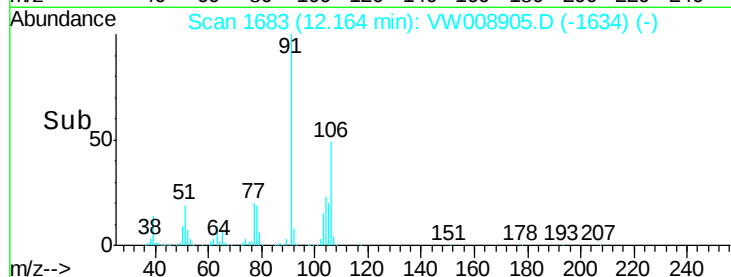
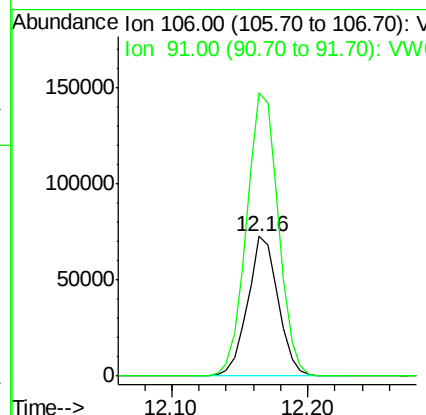
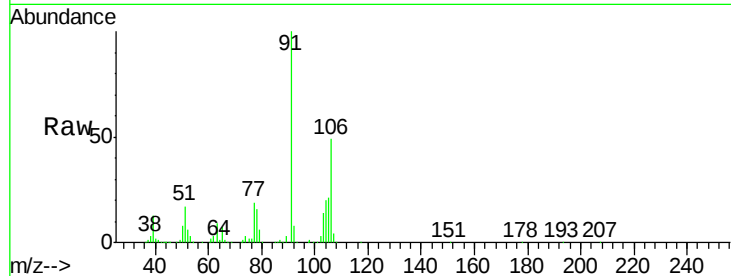
#69
o-Xylene
Concen: 20.495 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion:106 Resp: 114077
Ion Ratio Lower Upper
106 100
91 211.8 106.2 318.6

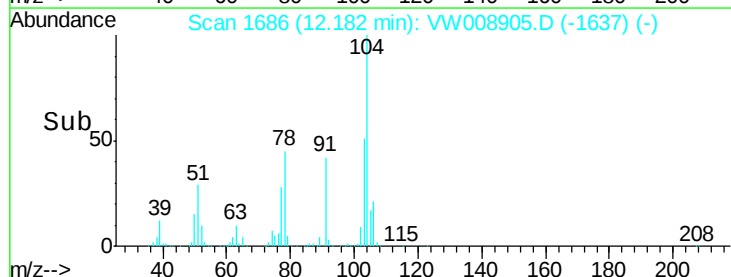
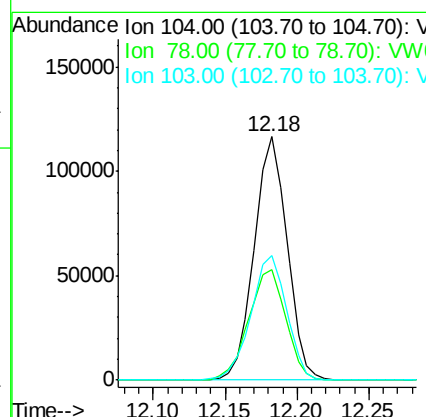
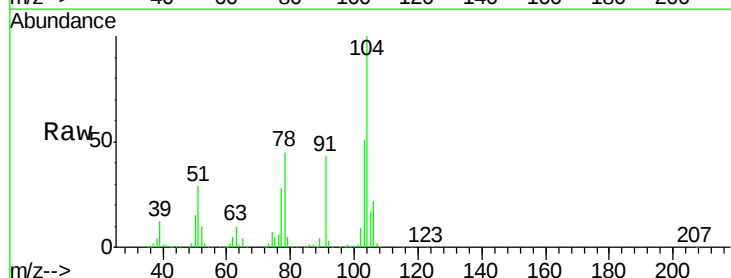
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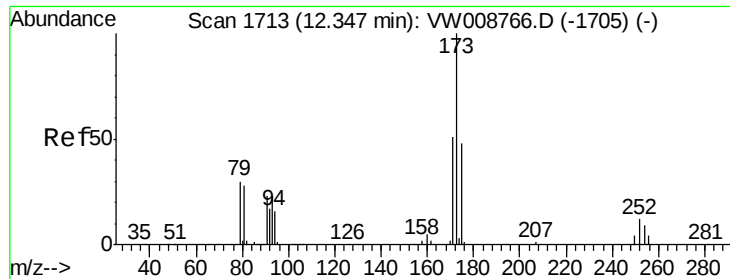
MMDadoda
3/1/2019 2:57:20 PM



#70
Styrene
Concen: 20.611 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion:104 Resp: 184567
Ion Ratio Lower Upper
104 100
78 51.3 40.8 61.2
103 55.7 44.2 66.2





#71

Bromoform

Concen: 21.016 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

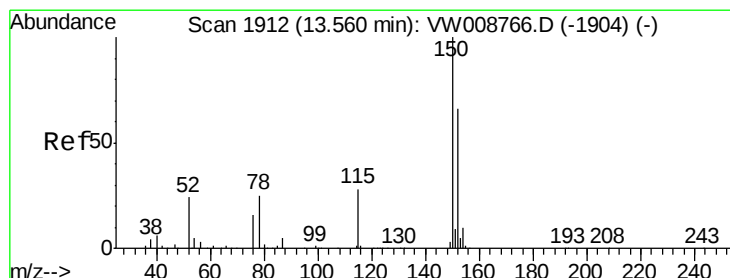
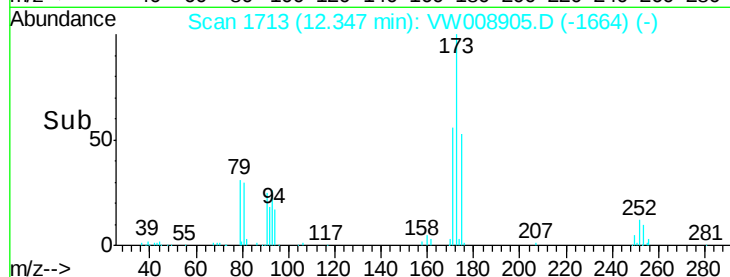
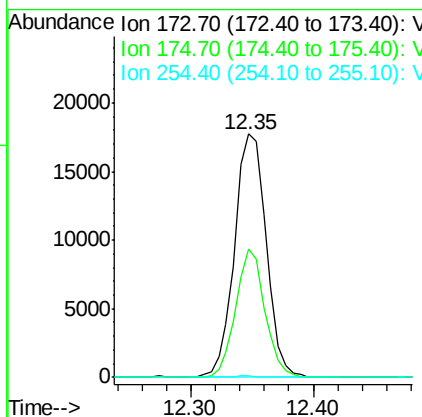
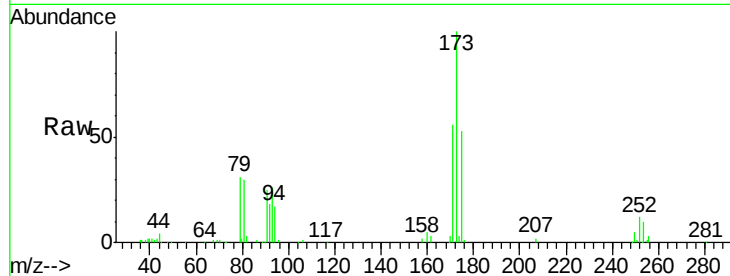
ClientSampleId :

VW0228SBS02

Tot Ion:	173	Resp:	31712
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.2	72.6
254	0.3	0.2	0.4

Manual Integrations
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3/1/2019 2:57:20 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

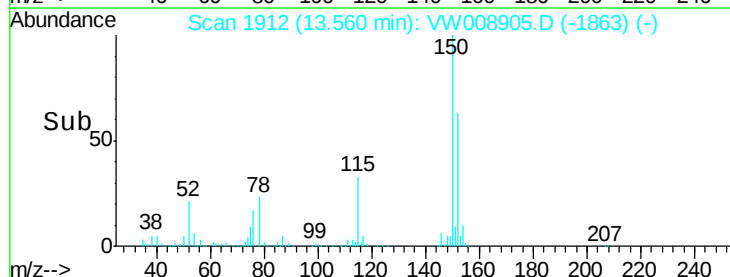
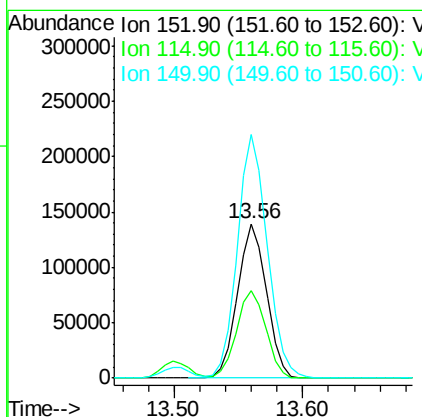
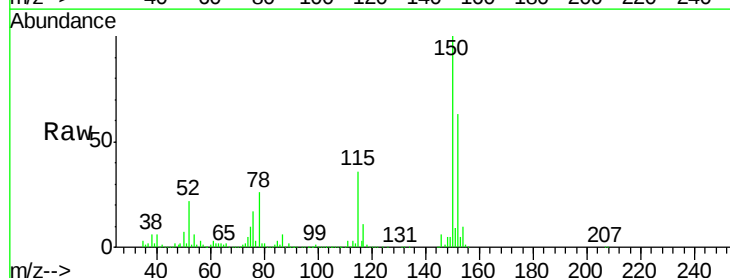
RT: 13.56 min Scan# 1912

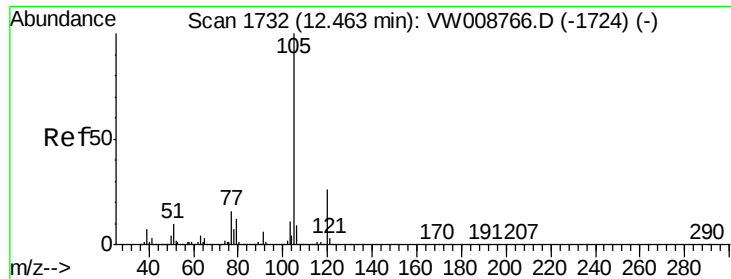
Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	152	Resp:	215895
Ion Ratio	Lower	Upper	
152	100		
115	57.5	28.6	85.8
150	163.0	0.0	348.0





#73

Isopropylbenzene

Concen: 20.650 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 105 Resp: 305625

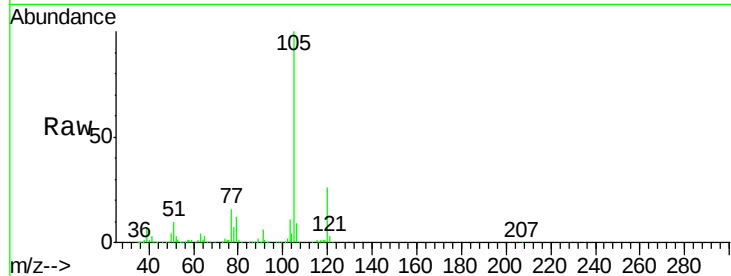
Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9

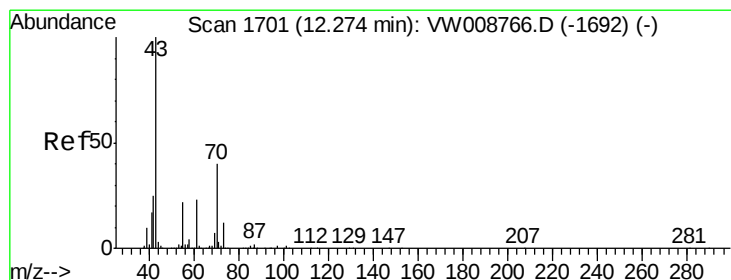
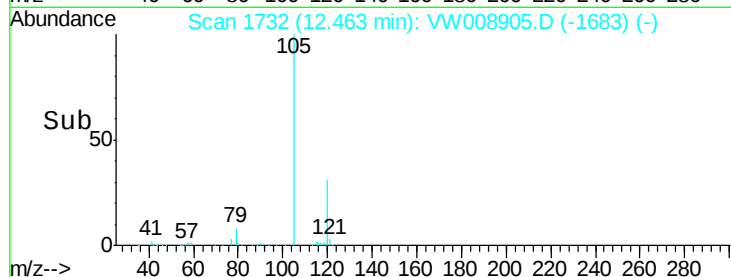
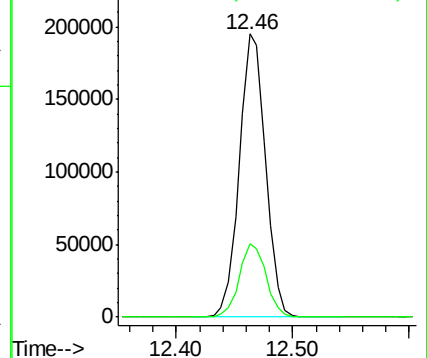
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.303 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion: 43 Resp: 71965

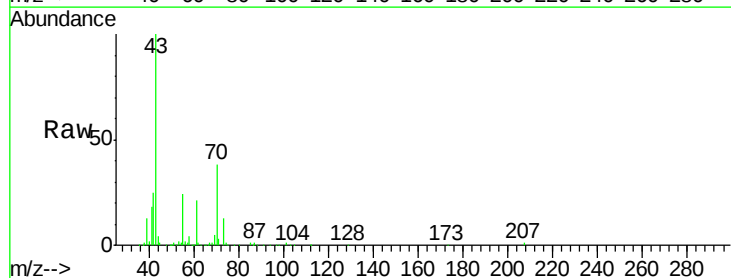
Ion Ratio Lower Upper

43 100

70 39.5 31.0 46.6

55 24.2 18.7 28.1

61 22.7 18.1 27.1

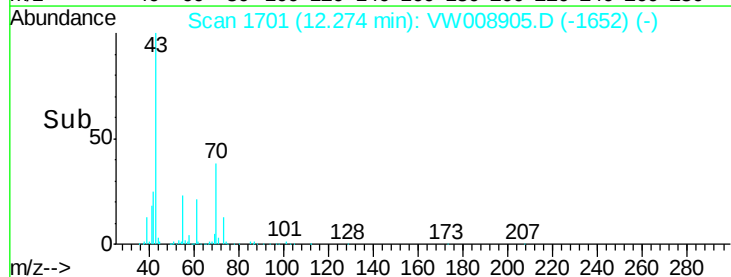
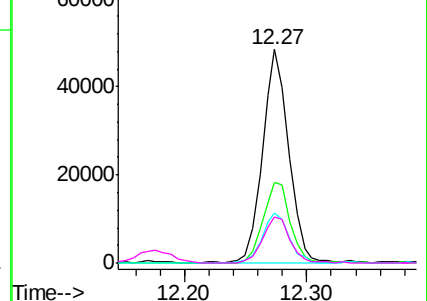


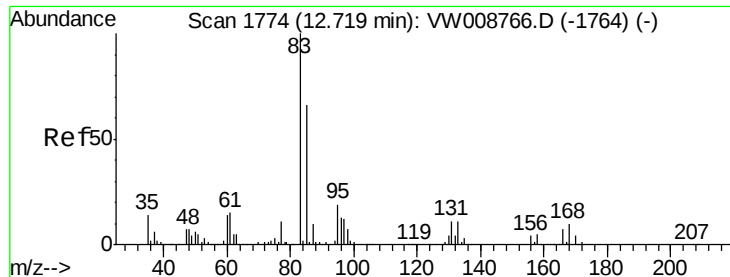
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.493 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

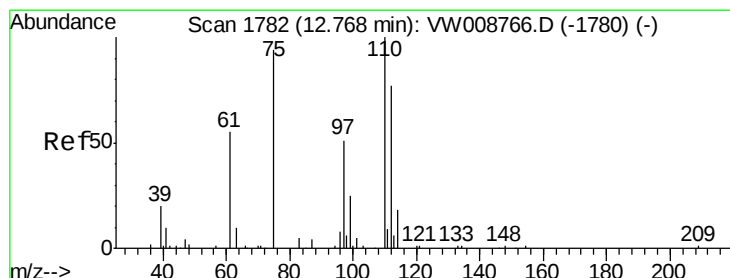
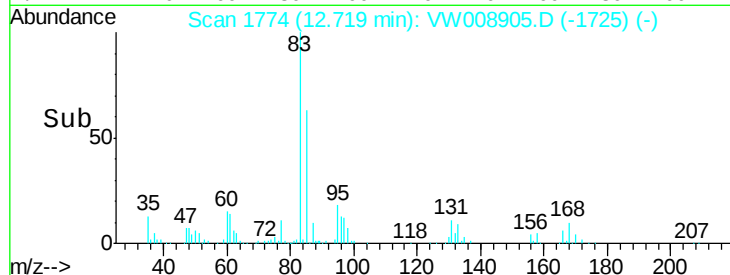
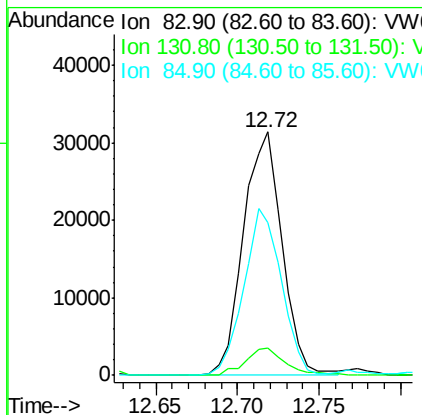
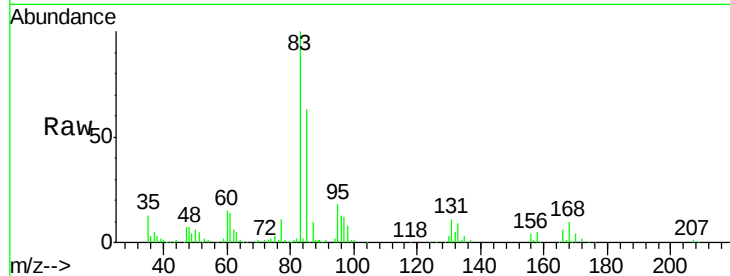
ClientSampleId :

VW0228SBS02

Tot Ion:	83	Resp:	51978
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	66.8	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.939 ug/l m

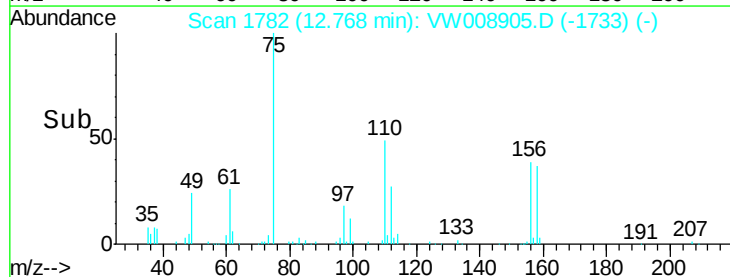
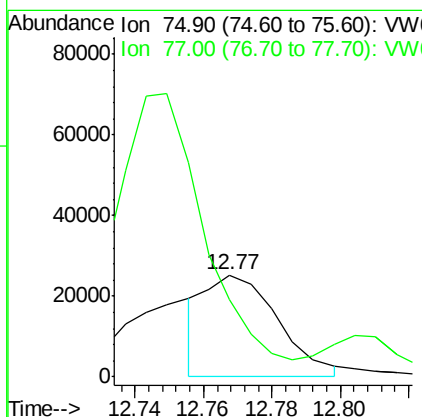
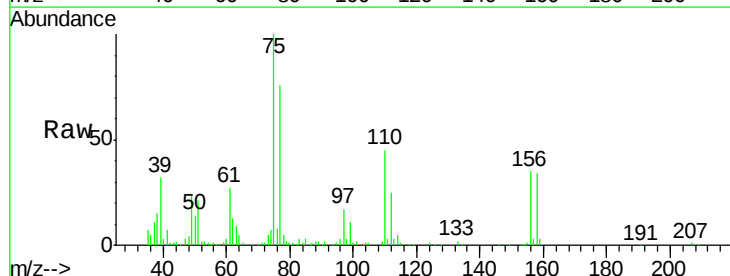
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion:	75	Resp:	37324
Ion Ratio	Lower	Upper	
75	100		
77	350.5	0.0	0.0#





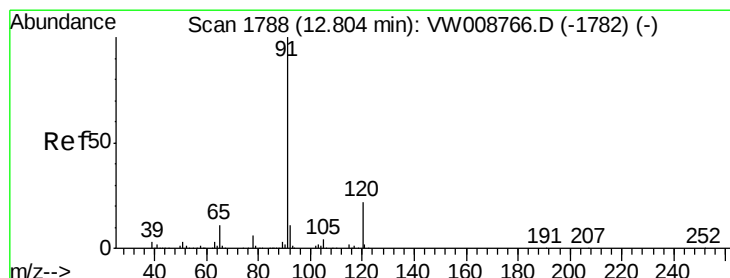
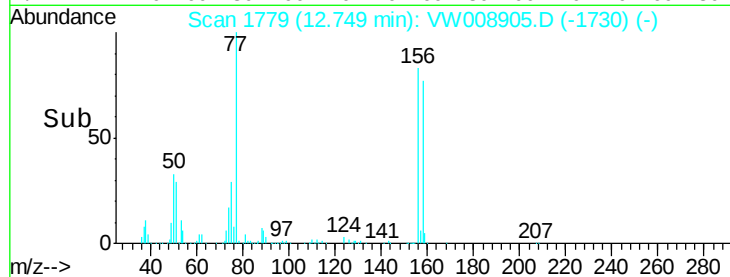
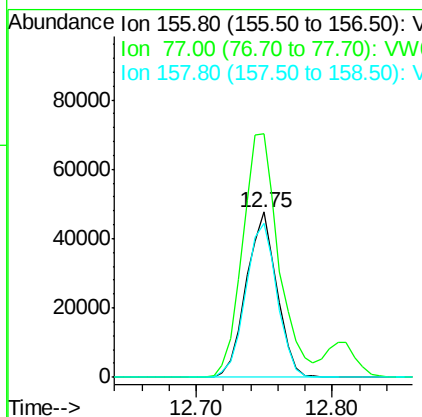
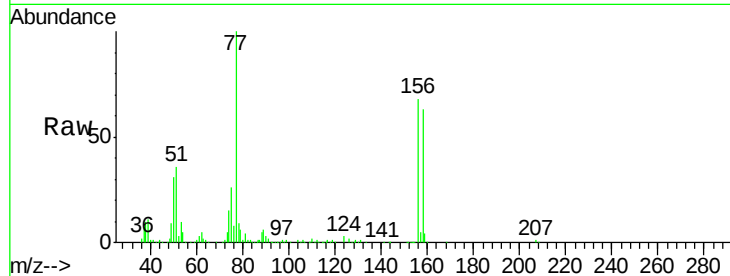
#77
Bromobenzene
Concen: 21.458 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.3	89.1	267.4
158	95.9	49.2	147.6

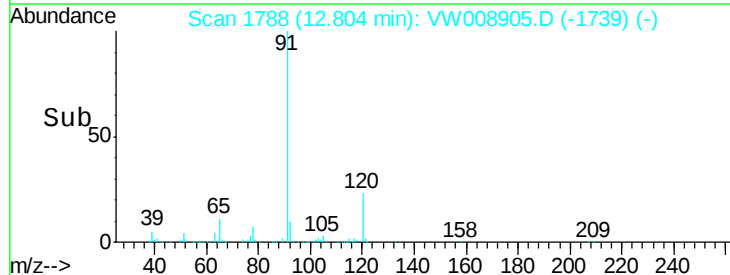
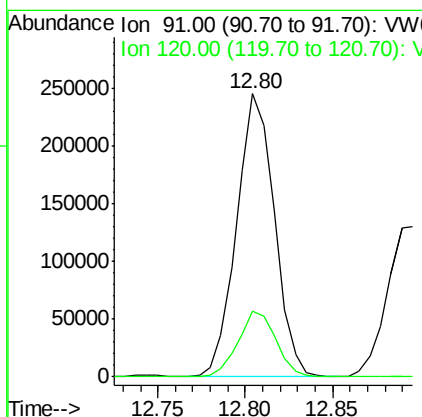
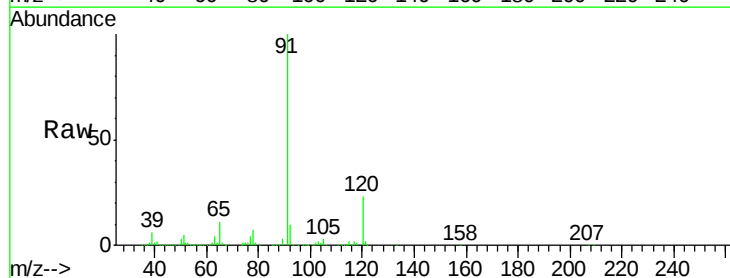
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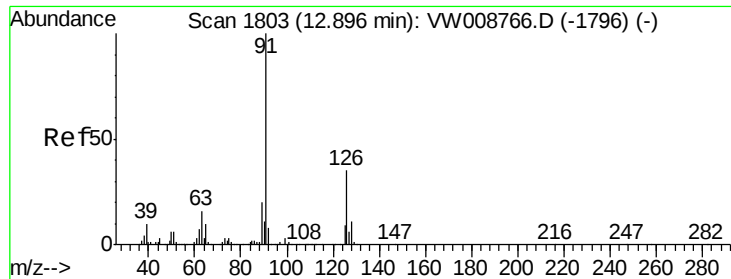
MMDadoda
3/1/2019 2:57:20 PM



#78
n-propylbenzene
Concen: 20.362 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.779 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion: 91 Resp: 213585

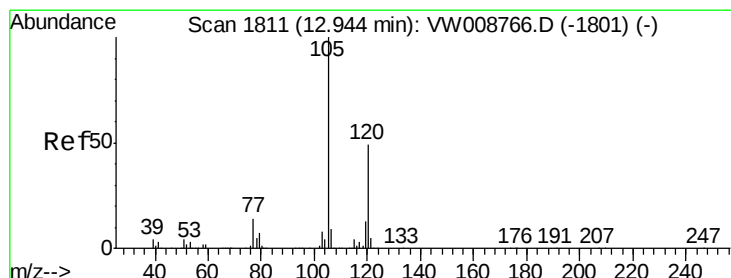
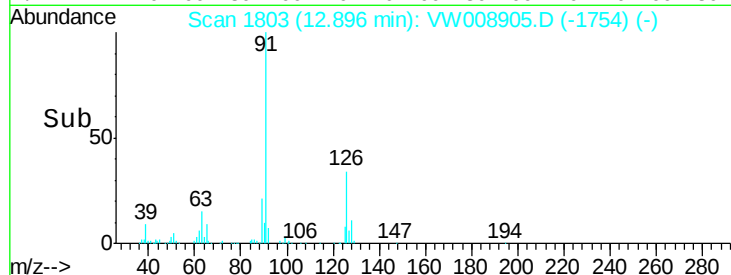
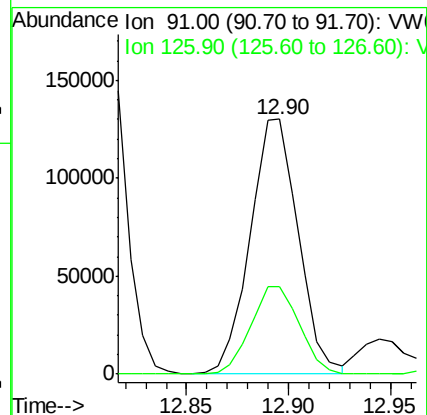
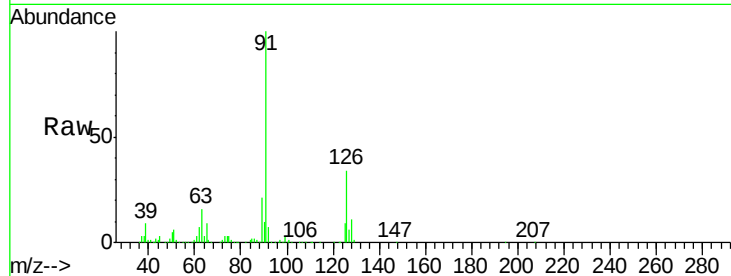
Ion Ratio Lower Upper

91 100

126 34.7 17.0 51.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.122 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008905.D

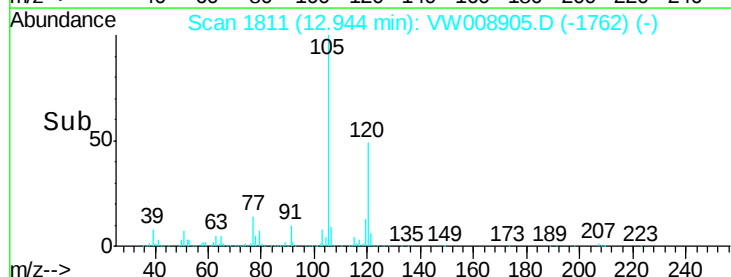
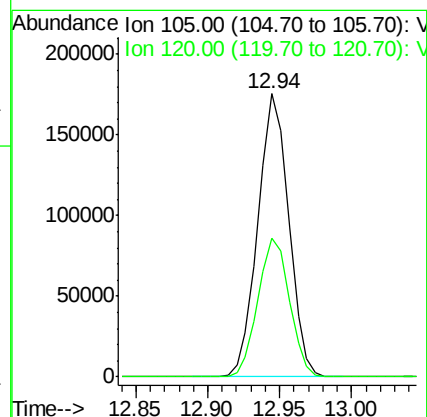
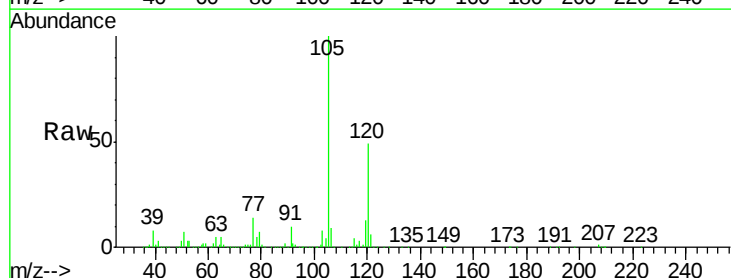
Acq: 01 Mar 2019 00:55

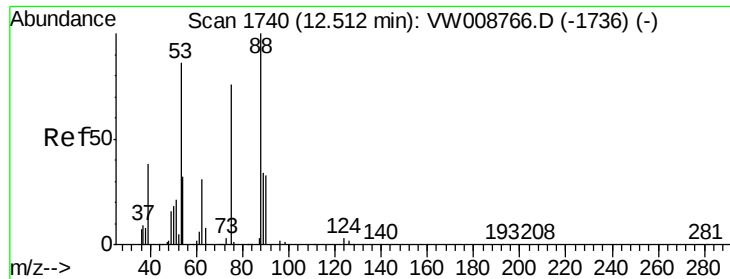
Tgt Ion:105 Resp: 258812

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4





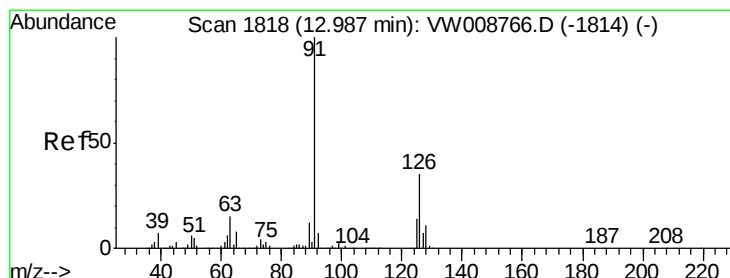
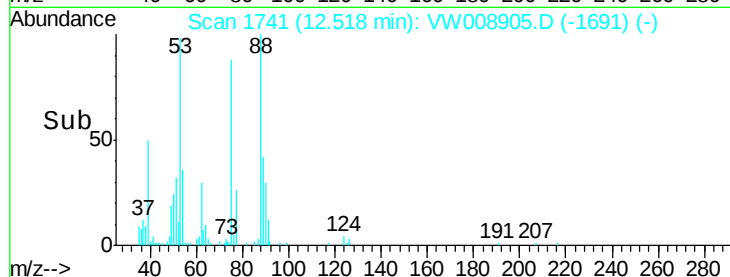
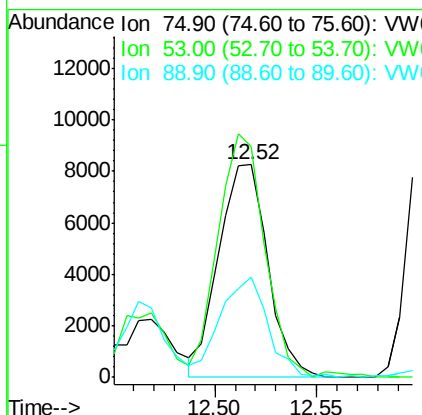
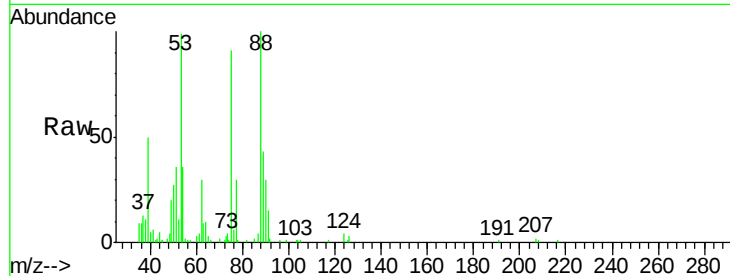
#81
trans-1,4-Dichloro-2-butene
Concen: 18.776 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.6	88.2	132.2
89	46.2	39.5	59.3

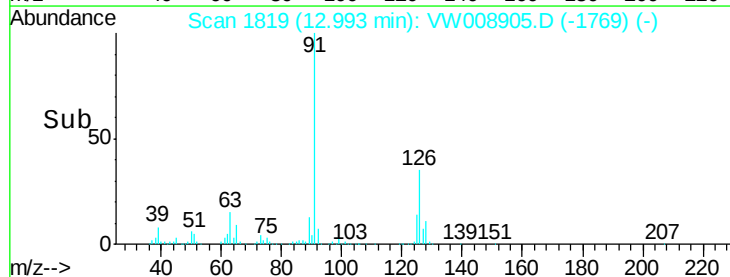
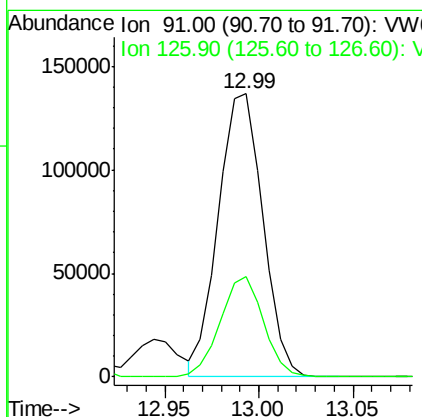
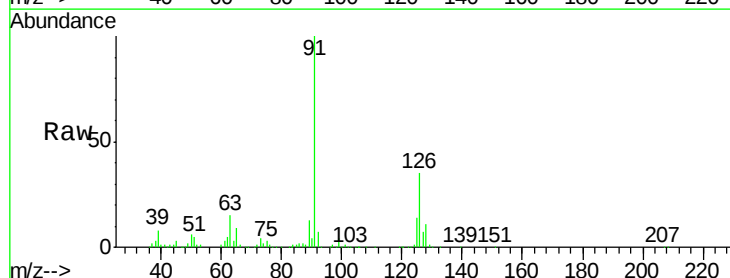
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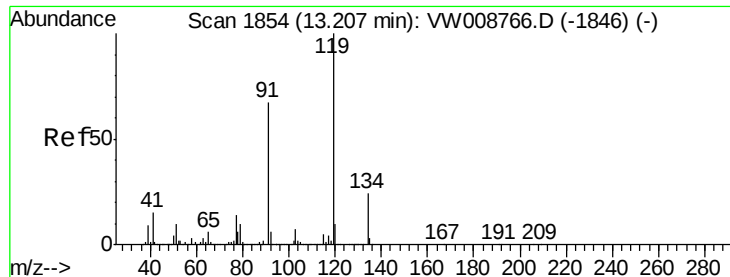
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#82
4-Chlorotoluene
Concen: 20.729 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





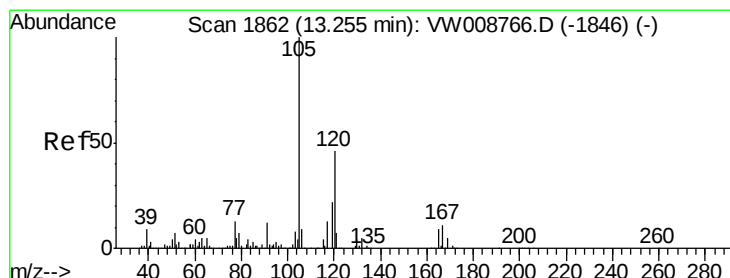
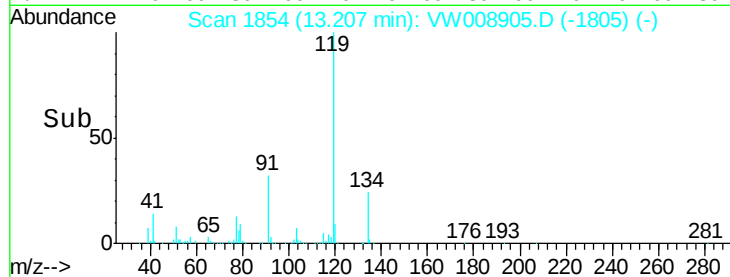
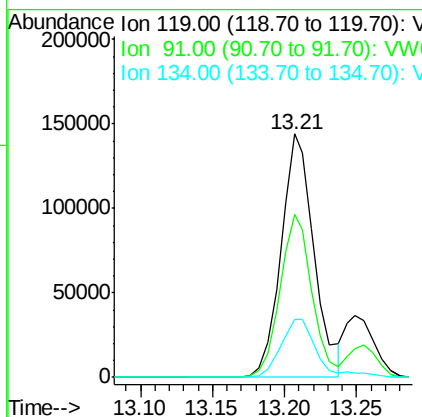
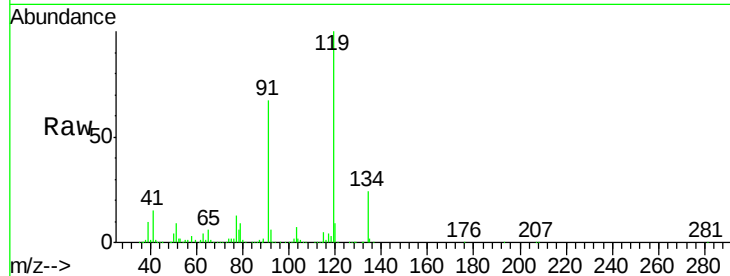
#83
tert-Butylbenzene
Concen: 20.759 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230870		
91	64.7	33.6	100.8	
134	26.1	13.7	41.1	

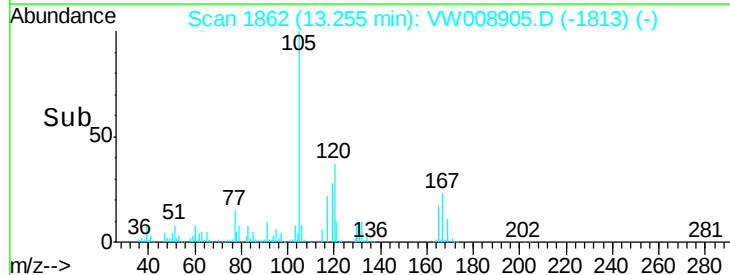
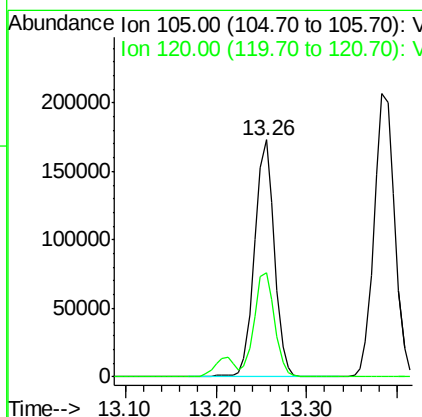
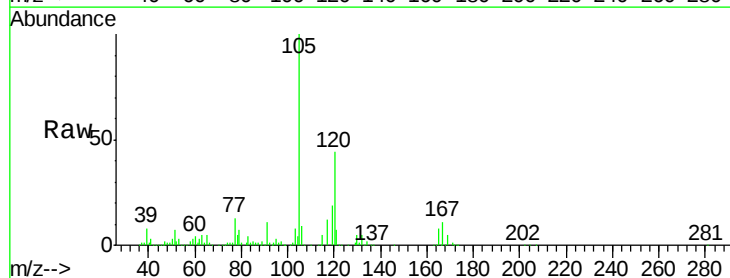
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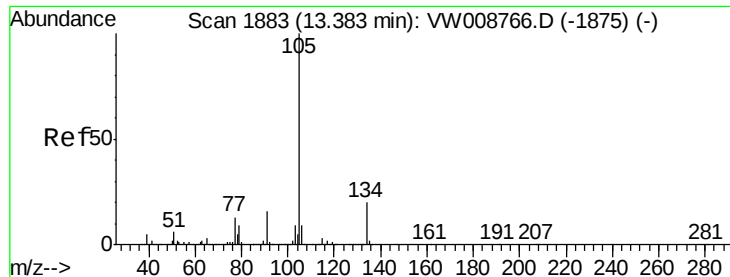
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#84
1,2,4-Trimethylbenzene
Concen: 19.634 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261407		
120	45.0	22.8	68.4	





#85

sec-Butylbenzene

Concen: 20.291 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

Tot Ion:105 Resp: 324474

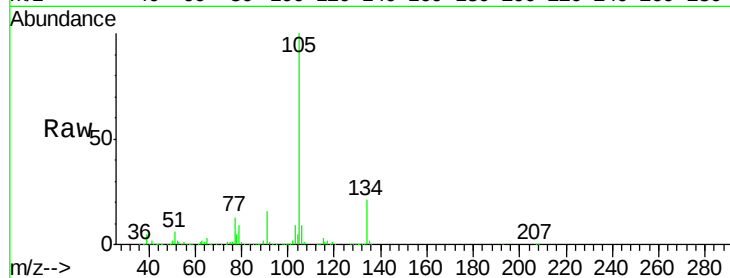
Ion Ratio Lower Upper

105 100

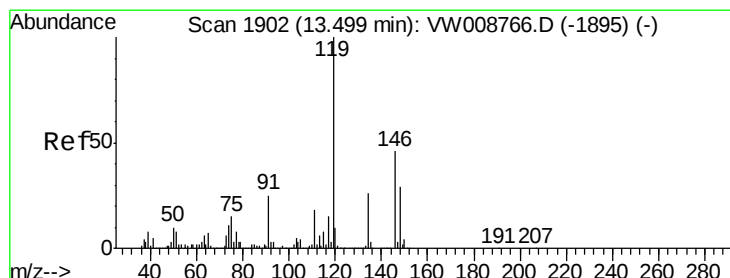
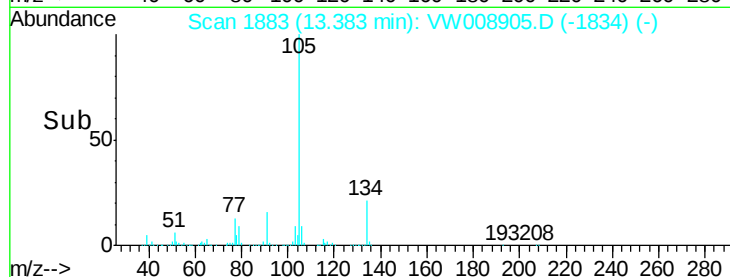
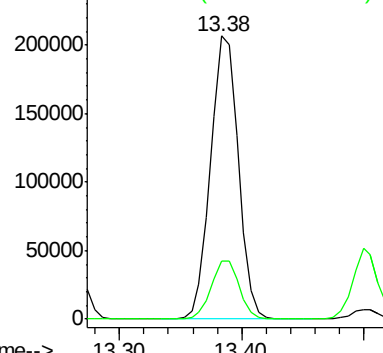
134 20.8 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.476 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

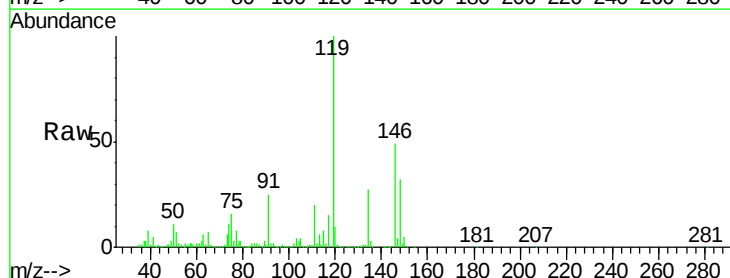
Tgt Ion:119 Resp: 285515

Ion Ratio Lower Upper

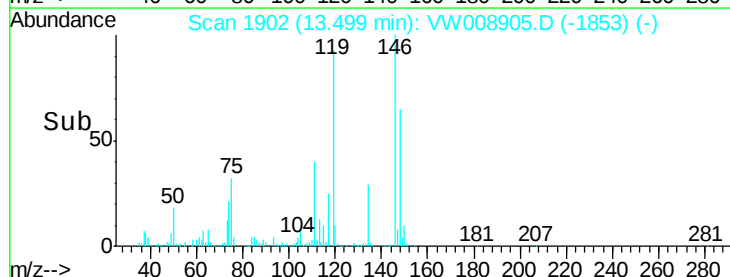
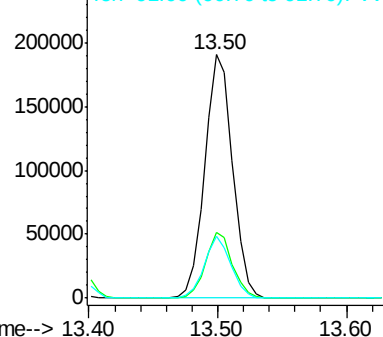
119 100

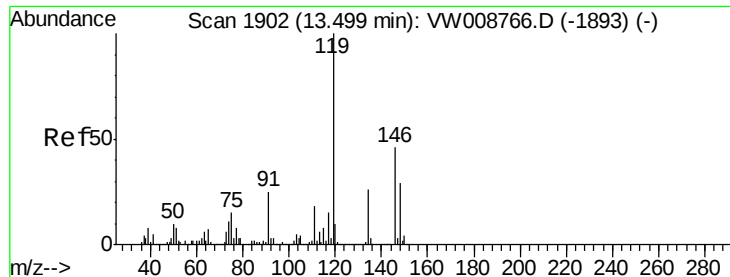
134 26.2 13.1 39.3

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.458 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

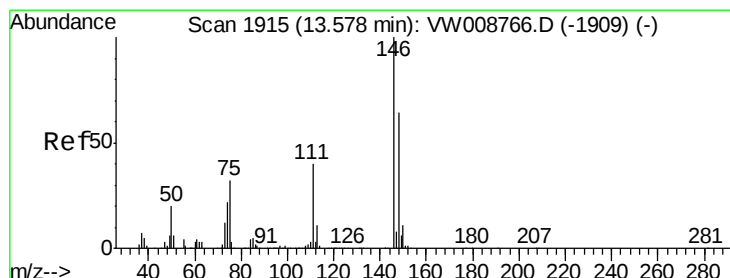
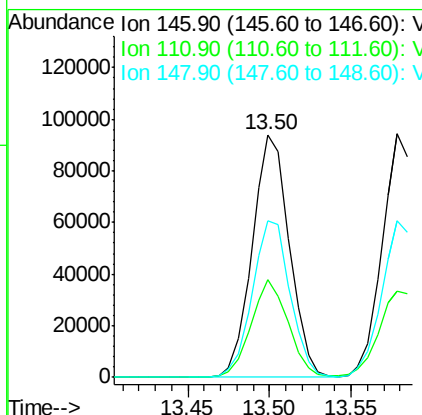
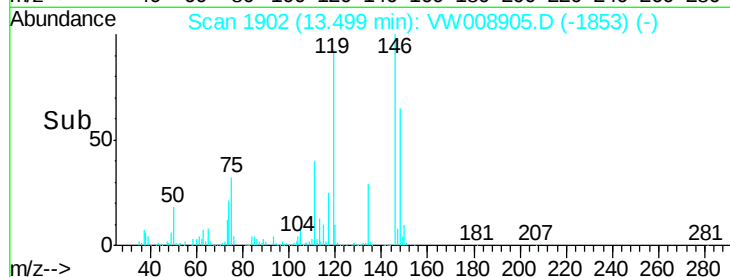
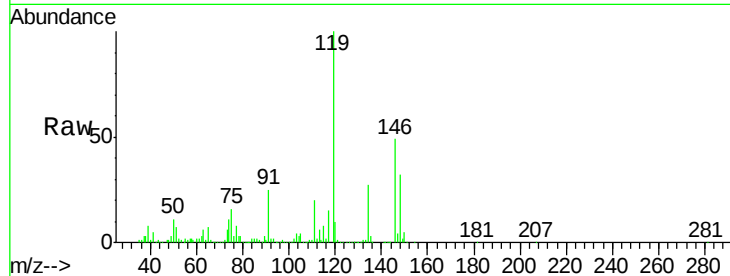
Instrument :
MSVOA_W

ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.7
148	65.5	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.880 ug/l

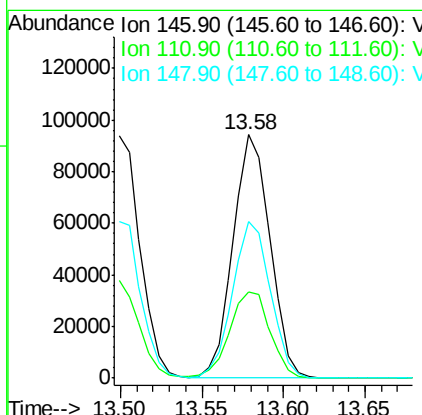
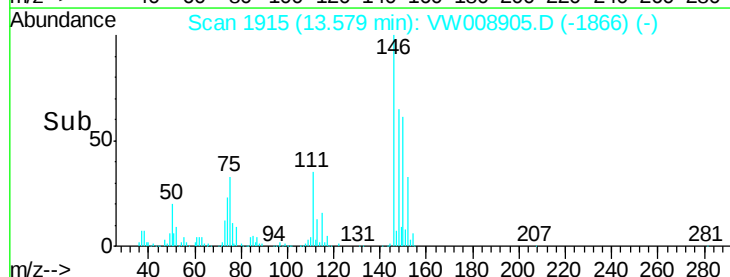
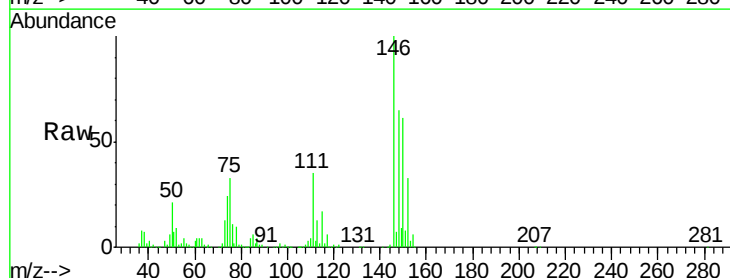
RT: 13.58 min Scan# 1915

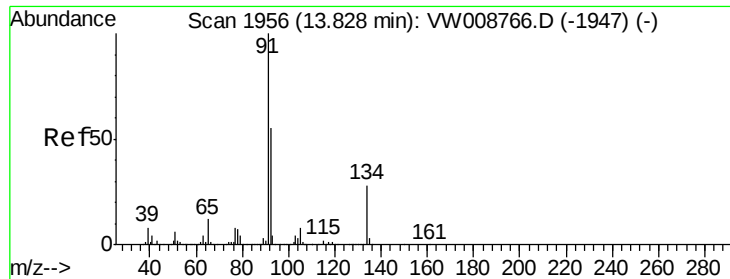
Delta R.T. 0.00 min

Lab File: VW008905.D

Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	65.9	31.9	95.9





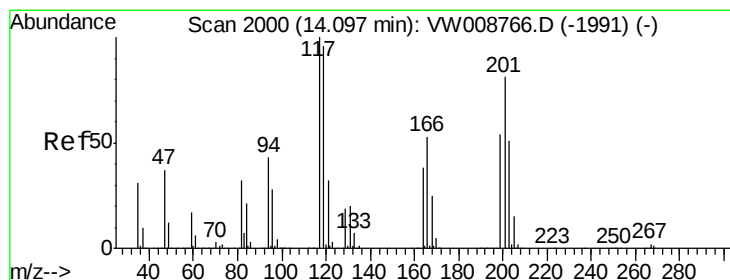
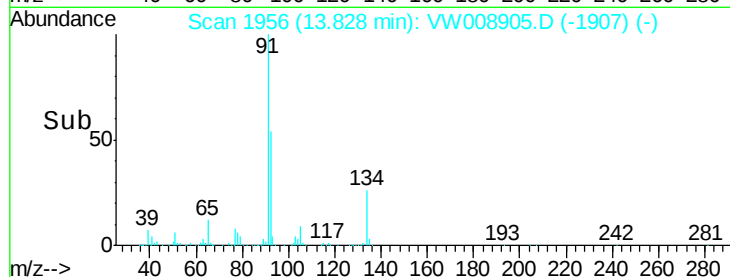
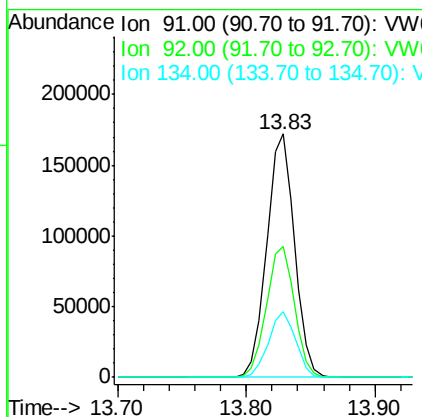
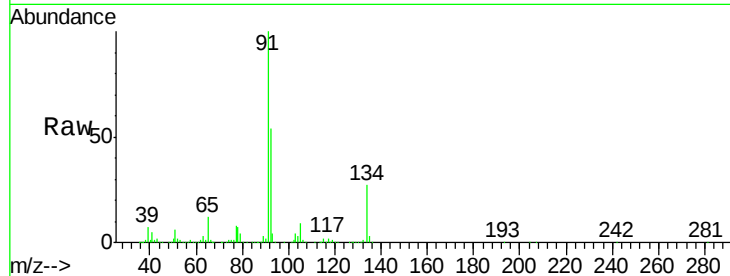
#89
n-Butylbenzene
Concen: 18.753 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.8	80.4
134	26.4	13.5	40.4

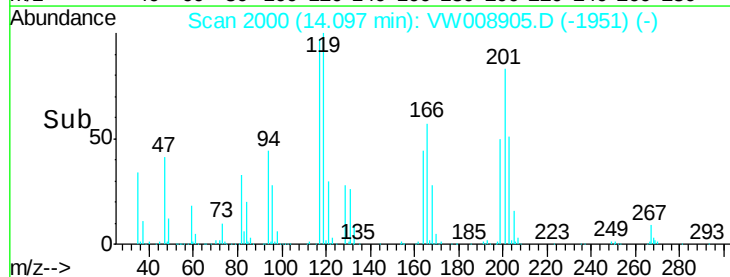
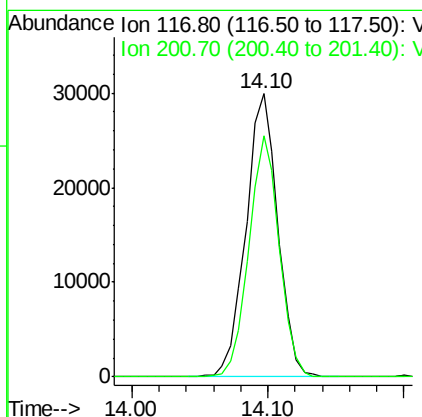
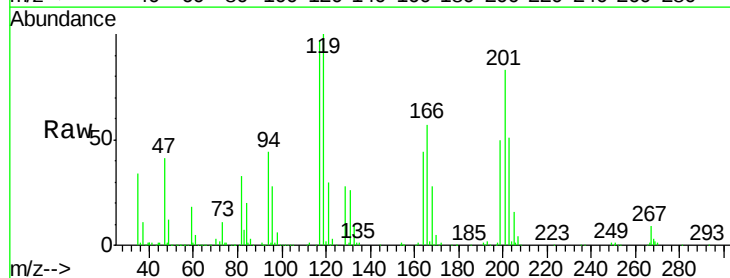
Manual Integrations
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#90
Hexachloroethane
Concen: 20.449 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.3	120.8





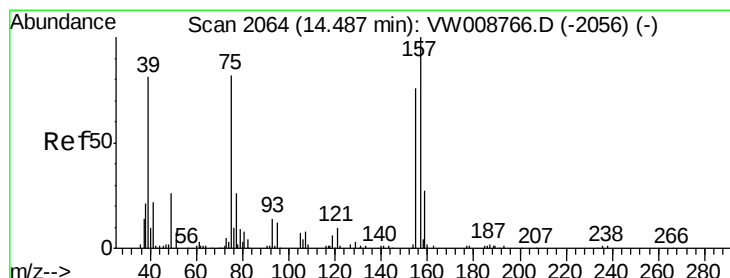
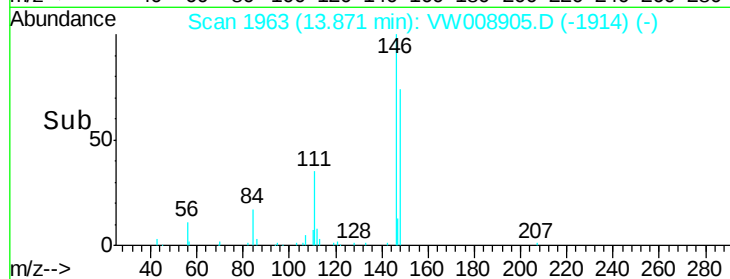
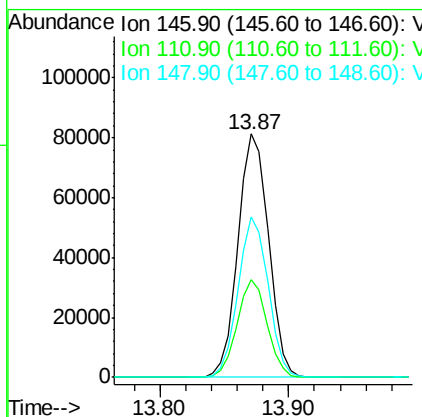
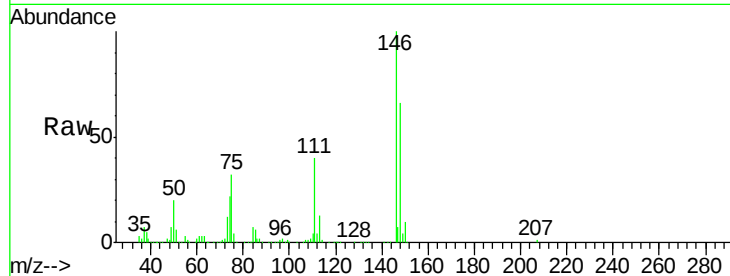
#91
 1,2-Dichlorobenzene
 Concen: 20.664 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.5	32.5	97.5

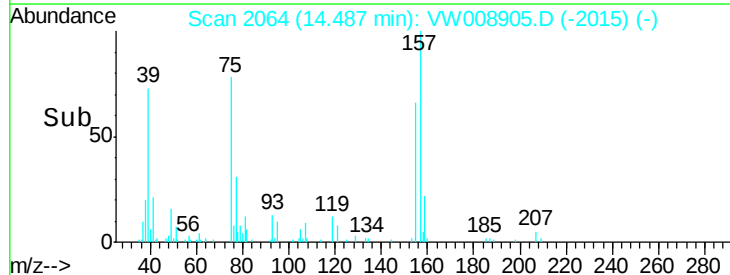
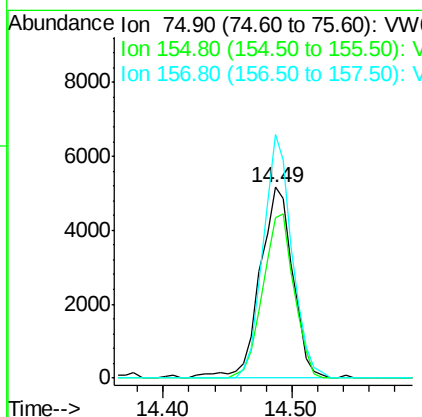
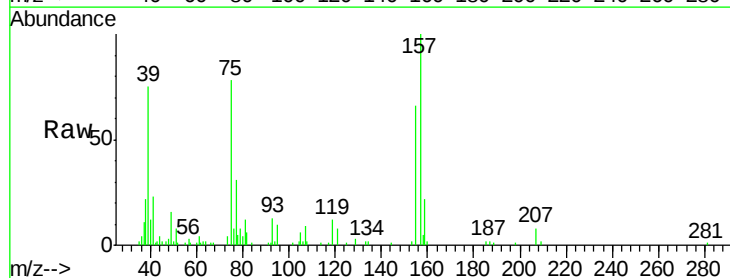
Manual Integrations
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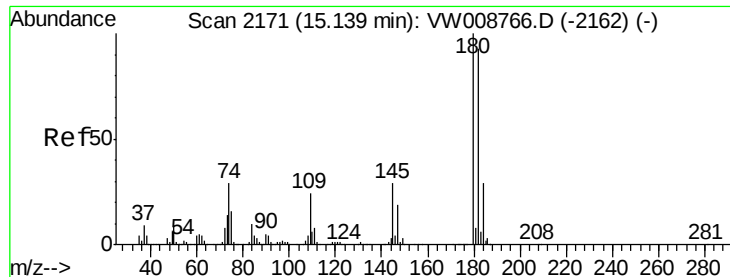
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.822 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.8	125.4
157	111.5	56.6	169.9





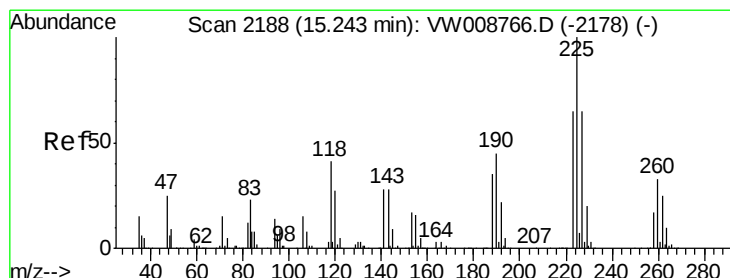
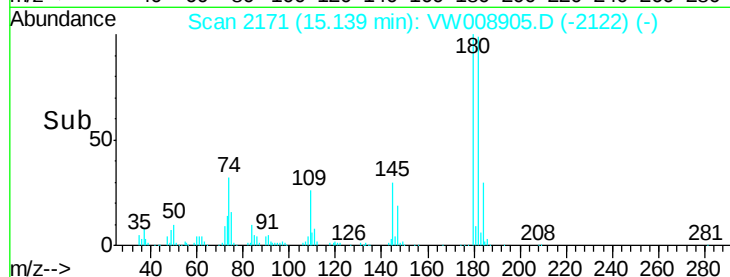
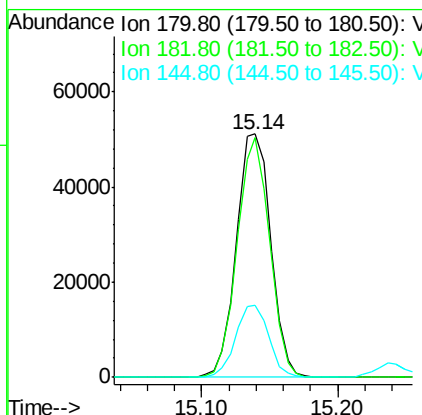
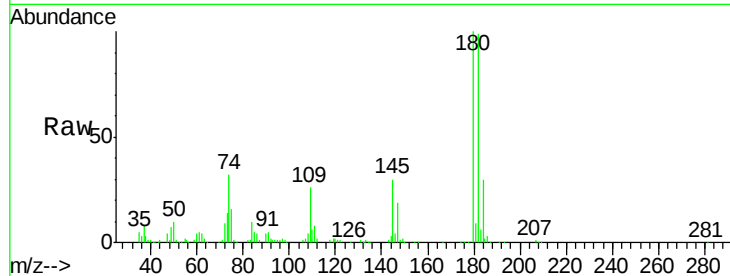
#93
 1,2,4-Trichlorobenzene
 Concen: 19.358 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.2	141.6
145	28.6	14.4	43.0

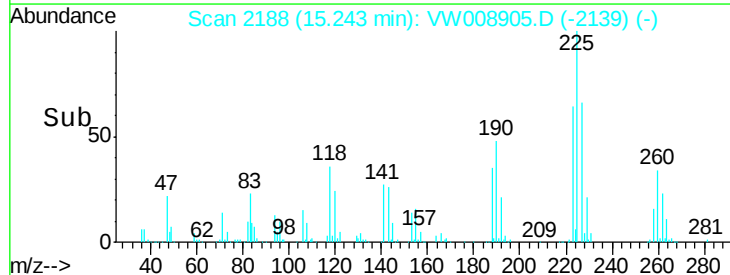
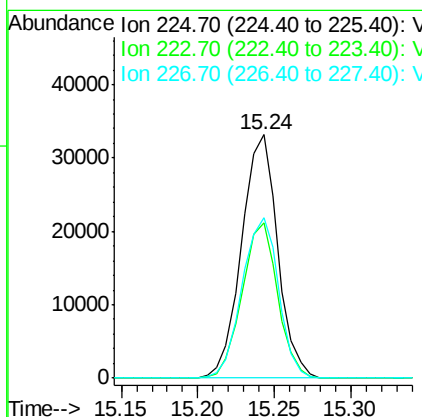
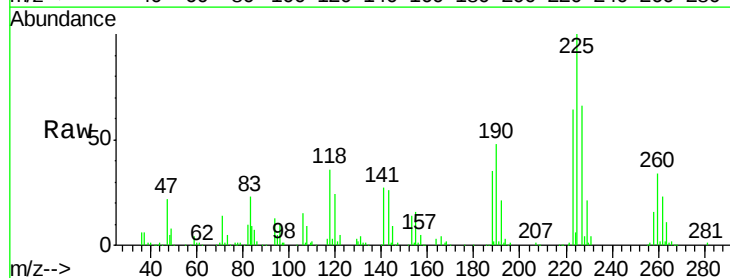
Manual Integrations
 APPROVED

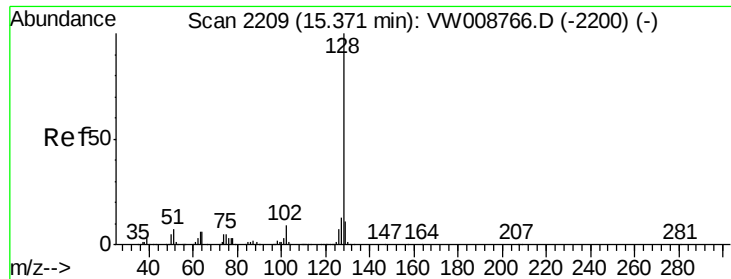
MMDadoda
 3/1/2019 2:57:20 PM



#94
 Hexachlorobutadiene
 Concen: 19.796 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008905.D
 Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	66.4	31.6	94.8





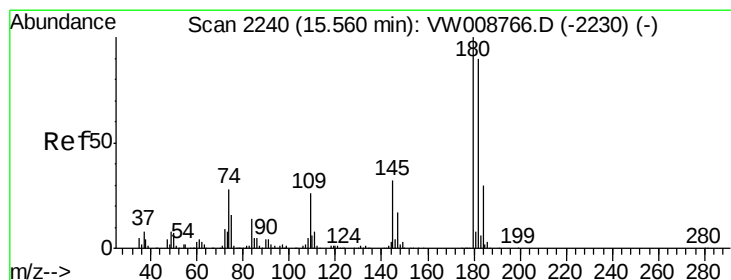
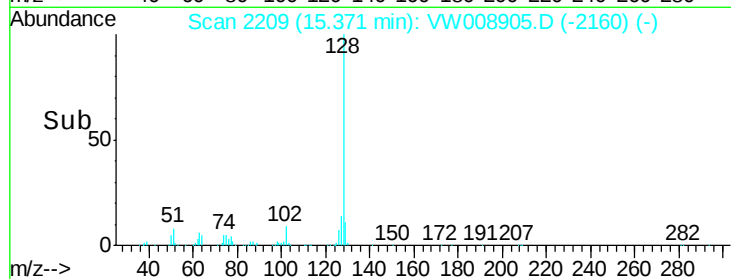
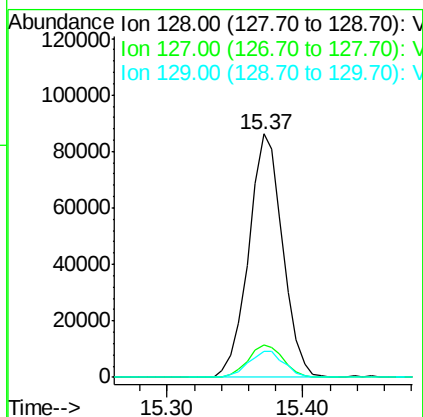
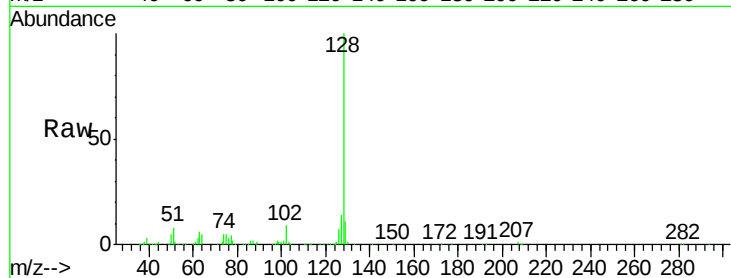
#95
Naphthalene
Concen: 18.987 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.8	16.2
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/1/2019 2:57:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.046 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008905.D
Acq: 01 Mar 2019 00:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	46.9	140.8
145	32.7	15.9	47.6

